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Canada
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SEED LABORATORY.

Bruce's

A HALF CENTURY OF SUCCESS

1850 TO 1900

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CATALOGUE OF

Seeds

BRUCE'S
ROYAL NOSEGAY
SWEET PEAS
10 VARIETIES 25¢

BRUCE'S
PREMIUM PANSY
25¢ PER PACKET

HAMILTON
CANADA

THE PIONEER SEED HOUSE OF CANADA.

HALF A CENTURY OF SUCCESS.

THE year 1900 brings with it the Fiftieth Anniversary of the establishment of this business, and we presume it will not be considered altogether uninteresting if we make some reference to its early history and to the men who have been identified with it, past and present, and also exhibit the younger generation who will control its future.

We have had an occasional request for our photograph from old patrons who had a curiosity to see the manner of men they were dealing with, and we considered this a favorable opportunity to make a general exhibit of the males of the Bruce family, and we trust our natural modesty will not be misunderstood, as we are not soliciting trade on the merits of the picture.

It is considered not only creditable, but honorable, to make reference to the antiquity of a commercial house in the old world when its establishment dates back for centuries; but in this young country, where few Houses can claim to be venerable, there is a shade of melancholy attached to the honor, because antiquity is not a fair recompense for one's lost youth.

With regard to the men: John A. Bruce, the founder of the house, retired in 1893 to enjoy a well earned rest after over 40 years of close personal attention to the details of an exacting business, and many of his early patrons and old friends will be pleased to learn that while he gave his best years to make the undertaking successful, he is now enjoying the reward of his industry in the hale enjoyment of the "youth of old age." F. C. Bruce, who is now the senior of the business, has long passed the entered apprentice stage, and while not claiming to have become "Sage by Thyme," is sometimes reminded by facetious friends, that an "Old Seed" is an anomaly in an establishment where the claim is made that new Seeds of undoubted vitality form the basis of the firm's success. He, too, will soon have to follow his predecessor, and give place to the younger branches who are now performing the more arduous duties of a steadily increasing trade.

The seed trade of Canada in the early fifties was not of sufficient magnitude to require extensive quarters, nor did the annual income warrant extravagance, and probably for this reason there exists no photograph of the old shop where this venture had its origin; and had there been such, it would have looked very homely beside the modern warehouse where the business of the house is transacted to-day.

As one evidence of the changes which have taken place during the past 50 years, we may mention that Alsike Clover Seed could not be procured in Canada in 1852, and our first purchase consisted of one bushel of seed, which was imported from England, and for which we paid three shillings and sixpence per pound. To-day Canada stands first amongst the producing countries of the world, both as regards the extent of her output and the high quality of the seed, and as much as 200,000 bushels have been exported to Europe in one season.

Equally marked are the changes visible in the new and improved varieties of Field and Garden Seeds which have supplanted the old strains, and the careful selection of stocks by trained experts in seed growing has done its share in adding to the progress of the 19th century.

To the faithful friends whose patronage has contributed to our prosperity in the past we are deeply grateful, and as we enter the portals of a new year, we tender them an earnest wish for their prosperity and happiness.

JOHN A. BRUCE & CO.

ESTABLISHED 50 YEARS

ORDER SHEET.

See Page 1 of Catalogue for full instructions to Purchasers

JOHN A. BRUCE & CO., HAMILTON, ONT.

FORWARD TO

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Please write NAME and ADDRESS distinctly and in full.

AMOUNT ENCLOSED:	RESERVED SPACE. DO NOT WRITE HERE.
P. O. Order, $.....	No. of Pkgs.....
Express Order $.....	Sent by.....
Draft, - $.....	Date Sent.....
Cash, - - $.....	Put up by.....
Stamps, - $.....	Postage.....
Total, $.....	
Date,.....1900	

Conditions of Sale.—John A. Bruce & Co. take every precaution to supply reliable Seeds, but give no warranty, express or implied, as to description, quality, growth, productiveness, or any other matter of any Seeds they send out, and they wish it to be distinctly understood that they will not be in any way liable for any loss arising from any failure thereof, or responsible in any way for the crop. All goods bought from them must be accepted on these conditions.

All Seeds forwarded by mail are sent free of charge at Catalogue prices, excepting **Beans, Corn, Peas, Sugar Beet, Field Carrot, Mangel, Rape, Field Turnip, Clover, Grass, Tree, Hedge, Fruit and Bird Seeds;** when such are to be mailed, postage must be added at the rate of **4 cents** per pound or pint, within the Dominion of Canada, and **16** cents per pound or pint to Newfoundland and the United States.

Peck.	Quart.	Pint.	Pound.	Ounce.	Packet.	NAME OF SEEDS WANTED.	Price.

Peck.	Quart.	Pint.	Pound.	Ounce.	Packet.	NAME OF SEEDS WANTED.	Price.

Every Customer ordering from us, who will send the names of neighbors or friends having gardens and who have not been using our Seeds, will receive a Packet of some useful Vegetable or Flower Seed for their kindness.

JOHN A. BRUCE & CO.,

EXPORTERS OF CLOVER AND GRASS SEEDS,

SEED GROWERS AND MERCHANTS.

HAMILTON, CANADA, 1st January, 1900.

IN presenting the FORTY-NINTH ANNUAL EDITION of our ILLUSTRATED CATALOGUE OF SEEDS FOR THE FARM, VEGETABLE AND FLOWER GARDEN, GREENHOUSE AND FOREST, of Garden Implements and Agricultural and Horticultural Sundries for 1900, we again appeal with confidence to those who have patronized us so liberally in the past for a continuance of their favors, which have come to us with such gratifying regularity since the establishment of this business, fifty years ago; and we also avail ourselves of this opportunity to solicit from others whom we have not hitherto had the privilege of serving, a share of their patronage

Our Catalogue contains nearly everything of value to those engaged in Agricultural and Horticultural pursuits. New introductions of Flowers, Vegetables and Field Roots are annually offered to the public, often with descriptive matter differing widely from the reality, and usually outlined by illustrations of an extravagant character; we have endeavored in our publications, as far as possible, to protect the Vegetable Kingdom from such caricatures. We invariably make ourselves acquainted with the value of what are termed Novelties before offering them, and when this cannot be done, we give the raiser's description only; we make this reference in the interest of those who have not been using our seeds, and who may infer from the modest illustrations in our Catalogue that the product must necessarily be of the same dimensions. One trial will remove any misapprehension of this nature, and *prove that in quality our stocks of Seeds for the Farm, the Garden and Greenhouse will compare favorably with the best offered.*

The present season opens with a general advance in the price of Farm Seeds; this arises partly from the unfavorable conditions prevailing during the hot, dry summer, which was not confined to Canada alone, but was general over Europe; and this combined with the unprofitable character of the Seed Growing Industry during the past three years, resulting in the acreage set apart for Seed Growing being curtailed, and a general shortage in the Stocks of Field Seeds being the consequence. Fortunately our contracts placed with Growers two years ago were larger than usual and even with short returns we are enabled to supply our Selected Stocks of Seeds at prices which are exceptionally moderate, compared to the values prevailing ten years ago. Mangel Wurzels are still cheap at twenty and twenty-five cents per pound where we formerly got forty, and many other seeds in like proportion. Amongst the shortages and failures of Crops to which we have referred, there are none of so much importance to the Farmer as the Clover Crop, and it has suffered to a greater extent than all others, and were it not that considerable Seed was carried over from the previous year there would have been a famine in this article. Prices rule high now, and we anticipate are more likely to advance than recede before the close of the season; fortunately, Timothy Seed is cheap, and on a careful comparison of quality, our specially recleaned Samples of Clover and Timothy Seeds are still the cheapest in the market, as the Critical Farmer who has tested them knows to his advantage.

SUGGESTIONS TO CUSTOMERS.

Owing to the extended nature of our business connections, and the heavy expense incurred in collecting accounts, we conduct our business on CASH PRINCIPLES; therefore, orders to receive prompt attention must be accompanied by a remittance of the amount. Remittances can be made in current Bank Bills, Post Office Orders, Postal Notes, Express Orders or by Draft, and for amounts under one dollar in Postage Stamps. Post Office Orders, Postal Notes and Express Orders are preferable to all others, as there is no possibility of loss, but when these cannot be obtained, Registered Letters are most certain to reach their destination. The cost of Post Office Order, Postal Note, Express Order, or Registering the letter, may be deducted from the remittance on orders amounting to two dollars and upwards. As the Seed season continues only for a few months in the year, there is, of course, a great pressure of business when sowing commences. Except in cases of extreme urgency, all orders will be executed in rotation as received. We will, therefore, feel greatly obliged if our customers will kindly forward their orders as soon as possible after the receipt of this Catalogue; and please remember to give your **Name, Post Office Address and Province, in full.** We are frequently in receipt of orders deficient in some of these important requisites, often causing a delay of weeks in their execution, greatly to the inconvenience of the sender as well as our own.

FREIGHT RATES AND MAILING CONDITIONS.

For the information and convenience of our customers in Manitoba, the Northwest Territories and British Columbia, we give below the present rates from Hamilton to the various points named. The rates between any two points will be proportioned according to distance. As these rates are subject to change, we cannot guarantee them.

FREIGHT RATES FROM HAMILTON—Per 100 lbs.

	On Barley, Oats, Buckwheat, Peas and Wheat.		*On Clover, Timothy, Hungarian, Millet, Red Top and other Grass Seeds.*	
To—	All Rail.	Lake and Rail.	All Rail.	Lake and Rail.
Port Arthur	$0 64	$0 31	$0 88½	$0 38
Winnipeg	0 96	0 87	1 22½	1 03
Brandon	1 09	1 01	1 53½	1 22
Regina	1 39	1 30	1 88½	1 69
Calgary	1 73	1 64	2 35½	2 16
Prince Albert	1 78	1 69	2 39½	2 20
Edmonton	2 06	1 97	2 80½	2 61
Vancouver, B. C.	2 08	2 02	2 40	2 33
Victoria, B. C.	2 08	2 02	2 40	2 33

The lowest freight charge is for quantities of 200 lbs. For any quantity under 200 lbs. the rate is the same as for 200 lbs.

Our postal arrangements enable us to forward Seeds, Bulbs and Plants to any Post Office in the Provinces of Ontario, Quebec, New Brunswick, Nova Scotia, Prince Edward Island, Manitoba, the Northwest Territories and British Columbia, at the rate of four cents per pound, and our careful system of packing will carry them with safety to the most distant point, giving purchasers in the remotest districts the opportunity of procuring reliable Seeds at reasonable prices when far removed from the source of supply.

Catalogues mailed to any address on application.

Sincerely thanking you for past favors, and soliciting a continuance of the same, with your kind recommendations,

We are, your obedient servants,

JOHN A. BRUCE & CO.

BRUCE'S SELECTED VEGETABLE SEEDS

CONDITIONS OF SALE.—John A. Bruce & Co. take every precaution to supply reliable seeds, but give no warranty, express or implied, as to description, quality, growth, productiveness, or any other matter of any Seeds they send out, and they wish it to be distinctly understood that they will not be in any way liable for any loss arising from any failure thereof, or responsible in any way for the crop. All goods bought from them must be accepted on these conditions.

SEEDS BY MAIL.—All Seeds forwarded by mail are sent free of charge at Catalogue Prices, except Beans, Corn, Peas, Sugar Beet, Field Carrot, Mangel, Rape, Field Turnip, Clover, Grass, Tree, Hedge, Fruit and Bird Seeds; when such are to be mailed, postage must be added at the rate of 4 cents per pound or pint, within the Dominion of Canada, and 16 cents per pound or pint to Newfoundland and the United States.

ARTICHOKE. *Artichaut*, Fr. *Artischoke*, Gr.

Sow in April or May, in drills two inches deep; thin the plants to four inches, and when strong transplant in deep, rich soil, two feet apart each way; keep the earth loose about them in summer, and cover during the winter with dry litter or leaves for protection.

Green Globe.....Pkt. 5c., oz. 40c.

Jerusalem Artichoke. Cultivate like potatoes, but plant in rows not less than three feet apart. They are enormously productive, and are valuable alike as a table vegetable as well as for feeding stock. Per bushel $1.50, peck 50c., 4 pound package, per mail (postage paid), 50c.

ASPARAGUS. *Asperge*, Fr. *Spargel*, Gr.

(One ounce will sow a row of thirty feet).

Sow early in the spring, in drills one foot apart. To secure, strong, healthy plants, thin out the seedlings to three or four inches in the rows. The one-year-old plants should be set out in spring, in a rich, sandy loam, dug eighteen inches deep, into which has been worked plenty of well-rotted manure. Plant in rows fifteen inches apart, and twelve inches apart in the rows. Spread out the roots all round, and carefully shake the soil in amongst the roots and cover to a depth of four inches. Before winter sets in cover the beds with six inches of manure, and in the spring give a top dressing of salt. Every fall a good dressing of coarse manure should be applied, after the tops have been cut, and in spring forked in. Never cut too closely, as the roots need the benefit of some foliage during the year.

Columbian Mammoth White. This fine, new variety furnishes large white shoots, which stay white as long as fit for use without earthing up or any other artificial blanching. Pkt. 5c., oz. 10c., 2 oz. 15c., ¼ lb. 25c., lb. 75c.

Conover's Colossal, or Early Purple Argenteuil. Large and productive, cultivated extensively for the Paris and other continental markets. Highly recommended. Pkt. 5c., oz. 10c., 2 oz. 15c., ¼ lb. 20c., lb. 50c.

Palmetto. An early variety of large size, very productive and of fine quality. Pkt. 5c., oz. 10c. 2 oz. 15c., ¼ lb. 20c., lb. 50c.

ASPARAGUS ROOTS.

Giant Conover's Colossal. Two-year-old roots, per 100, $1.00.

Palmetto. An early, extra large variety, per 100, $1.00.

Special price per 1,000 on application. When Asparagus Roots are to be sent by mail, add postage at the rate of 25c. per 100.

BEANS—Dwarf or Bush.

Haricot, Fr. *Bohne*, Gr.

One pint will sow a row of fifty feet. The Dwarf or Bush varieties should be planted in rows, two and a-half feet apart, and two or three inches in the row. They are very sensitive to frost or cold, and should not be planted before the second week in May. Hoe often, and keep the ground mellow and draw the earth up to the plants. Plant the Pole or running varieties in hills three feet apart, and in the hills place poles from six to eight feet high.

Flageolet Golden Wax Beans.

BEANS—Dwarf or Bush—*Continued.*

DWARF YELLOW PODDED SORTS.

Valentine Wax. Extra early. The pods are round, stringless and of the finest quality. It is remarkably free from rust and remains a long time before becoming tough. Combined with these valuable features of extreme earliness and excellence of quality is its enormous productiveness: in this respect, also, it excels any Bean in cultivation. Pt. 15c., qt. 30c., peck $1.80.

Keeney's Rustless Golden Wax. Combines hardiness and productiveness with fine quality. Pt. 15c., qt. 25c., peck $1.50.

Golden Wax. An extra early variety, with stringless pods, tender and delicious. Pt. 15c., qt. 25c., peck $1.50.

Flageolet Golden Wax. This variety produces larger and longer pods than any other of the Yellow Podded sorts. It is very productive, and for market purposes cannot be excelled. Pt. 15c., qt. 30c., peck $1.80.

Black Wax or Butter. Pods transparent, waxy yellow, thick and very tender. Pt. 15c., qt. 25c., peck $1.50.

Wardwell's Kidney Wax. Extra early, pods long and flat, remarkably free from rust. Pt. 15c., qt. 25c., peck $1.50.

White Wax or Butter. Similiar to the Black Wax, except in color, which is pure white. Pt. 15c., qt. 25c., peck $1.50.

Detroit Wax. The hardiest and least liable to rust of all the butter beans, very productive. Pt. 15c., qt. 25c., peck $1.50.

Early Valentine Wax Beans.

DWARF GREEN PODDED VARIETIES.

Mohawk Beans.

Valentine. Early, productive, tender, succulent and of excellent flavor. Pt. 20c., qt. 30c., peck $2.00.

China. Very early and of fine quality. Pt. 15c., qt. 25c., peck $1.50.

Yellow Six Weeks. Early and prolific, good for general crop. Pt. 15c., qt. 25c., peck $1.50.

Mohawk. One of the hardiest and most productive. Pt. 15c., qt. 25c., peck $1.50.

Refugee or One Thousand to One. Great bearer, late variety; best for pickling. Pt. 15c., qt. 25c., peck $1.75.

DWARF WHITE BEANS.

Burpee's Bush Lima. An immense yielder; each bush bearing from fifty to two hundred pods, filled with beans which are identical in size and luscious flavor to the well-known large pole Limas. Pkt. 5c., pint 25c., quart 40c.

Bush Lima (Henderson's) Early, hardy and productive, Pkt. 5c., pint 25c., quart 40c.

Large White Kidney. Excellent as a shell bean. Pint 10c., quart 20c., peck $1.00.

POLE OR RUNNING.

Haricot à Rames, Fr. *Stangen Bohne*, Gr.

One pint will plant about seventy-five hills.

Dutch White Caseknife. Very productive and fine flavor. Pint 25c., quart 40c.

Large Lima. The best of all the pole beans; plant when the ground is dry and warm. Pint 25c., quart 40c.

Scarlet Runners. Very prolific, mostly grown as an ornamental plant. Pkt. 5c.. pint 25c., quart 40c.

Giant Wax. (Red Seed.) An extra early variety, with stringless pods. Pint 25c., quart 40c.

Black Wax or Butter. An excellent variety, with tender, succulent pods. Pint 25c., quart 40c.

Asparagus or Yard Long. Pods tender and sweet. Pkt. 10c., pint 50c.

BROCCOLI.

Chou-Brocoli, Fr. *Spargel Kohl*, Gr.

Sow end of April in the open ground, then transplant about two feet apart in deep, rich ground. They produce heads similar to Cauliflower. When they begin to flower, break the large leaves over the head to protect them from the sun.

Early Purple Cape. One of the hardiest, and sure to head. Pkt. 10c., oz. 40c., 2 oz. 75c., ¼ lb. $1.25.

Walcheren. A valuable sort, with large white heads. Pkt. 10c., oz. 40c., 2 oz. 75c., ¼ lb. $1.25.

ENGLISH DWARF BEANS.

Feve de Marais, Fr. *Grosse Bohne*, Gr.

The English Beans are very hardy, and should be planted as soon as possible after the ground is open; plant in drills two and a-half feet apart, and three inches in the drills; when they are in full bloom and the lower pod set, pinch off the tops; this will ensure the filling of the pods, and hasten maturity. A strong, heavy soil suits them best.

Taylor's Broad Windsor. The largest and best of the class for general use. Pint 20c., quart 30c.

Packets of any of the above varieties of Beans will be supplied at 5c. each.

When Beans are to be sent by mail, add postage at the rate of 4c. per pint within the Dominion of Canada, and 16c. per pint to Newfoundland and the United States.

For Field Varieties, see Agricultural Seeds.

A CHEAP COLLECTION—No. 2—One packet each of Detroit Wax Beans, Egyptian Beet, Bruce's Long Beet, Henderson's Summer Cabbage, Guerande Carrot, Nantes Carrot, Pascal Celery, Cory Corn, Stowell's Corn, Cress, Long Green Cucumber, Bruce's Nonpariel Lettuce, Hackensack M. Melon, Dixie W. Melon, Red W. Onion, Yellow Danvers Onion, Parsley, Bruce's H. C. Parsnip, Bruce's Early Peas, Little Gem Peas, Bruce's C. P. R. Peas, Pumpkin, Scarlet Turnip Radish, Half-Long Scarlet Radish, Long Scarlet Radish, Salsify, Viroflay Spinage, Hubbard Squash, Golden Ball Turnip and Favorite Tomato. 30 Packets for $1.00 postpaid.

BEET. *Betterave*, Fr. *Rothe Rube*, Gr.

One ounce will sow a row of 40 feet; 5 lbs. for an acre.

Beets require a deep, mellow soil; may be sown from the early spring to the commencement of summer. The winter crop, to be tender, should not be sown too early. Sow in drills eighteen inches apart, and thin out the plants gradually to six inches from each other. Keep the soil well stirred throughout the season.

ROUND VARIETIES.

Egyptian Dark Red Turnip. A standard extra early variety; very deep red, tender, and fine flavor. The best for early market. Pkt. 5c., oz. 10c., 2 oz. 15c., ¼ lb. 20c., lb. 50c.

Crosby's Egyptian. A selection from the Early Egyptian, which, while it retains its earliness, has added thickness, giving it a more desirable shape; it is the deepest red, almost black in color, and is of fine quality, sweet and tender. Pkt. 5c., oz. 10c., 2 oz. 15c., ¼ lb. 25c., lb. 75c.

Eclipse. An extra early turnip-shaped variety, remarkable for its rapid growth. The roots grow smooth, round shape, intense red skin, flesh very fine grained and sweet. Pkt. 5c., oz. 10c., 2 oz. 15c, ¼ lb. 20c., lb. 50c.

Edmand's Early. One of the most uniform, with small tops of bronze red. The bulbs are handsome and round, smooth and of good marketable size, fine quality, exceedingly sweet and tender. Skin and flesh dark blood red. Pkt. 5c., oz. 10c., 2 oz. 15c., ¼ lb. 20c., lb. 50c.

Dewing's Improved Blood Turnip. Roots deep blood red, and of fine form and flavor. Pkt. 5c., oz. 10c., 2 oz. 15c., ¼ lb. 20c., lb. 50c.

Early Blood Turnip. Very tender and good for early and late use. Pkt. 5c., oz. 10c., 2 oz. 15c., ¼ lb. 20c., lb. 50c.

The Lentz. A fine early variety of excellent quality; good keeper. Pkt. 5c. oz. 10c., 2 oz. 15c., ¼ lb. 20c., lb. 50c.

Early Bassano. Very early, tender and juicy, light color. Pkt. 5c., oz. 10c., 2 oz. 15c., ¼ lb. 20c., lb. 50c.

LONG VARIETIES FOR WINTER USE.

Bruce's Long Dark Blood. Grows to a good size half out of the ground, and with few or no side shoots; color, dark red; good keeper. Pkt. 5c., oz. 10c., 2 oz. 15c., ¼ lb. 25c., lb. 75c.

Long Smooth Blood Red. An excellent late variety. Pkt. 5c., oz. 10c., 2 oz. 15c., ¼ lb. 20c., lb. 50c.

Non Plus Ultra. Roots medium size, dark blood color, with deep crimson leaves, which have a metallic lustre. Pkt. 5c., oz. 10c., 2 oz. 15c., ¼ lb. 25c.. lb. 75c.

Dell's Improved Black-leaved. A fine, dark-foliaged variety, the best for flower garden decorations; color deep purple. Pkt. 5c., oz. 10c., 2 oz. 15c., ¼ lb. 25c., lb. 75c.

Beck's Improved Sea Kale, or Swiss Chard. The leaf stocks, which are served up like sea kale, are by many considered as quite equal to that favorite esculent. Pkt. 5c., oz. 10c., 2 oz. 15c., ¼ lb. 25c., lb. 75c.

For Sugar Beet see Agricultural Seeds.

Bruce's Long Beet.

BORECOLE OR KALE.

Chou Vert, Fr. *Gruner Kohl*, Gr.

Sow early in spring; cultivate same as cabbage. They supply a stock of excellent greens for spring and fall use.

Green Curled Scotch. Very hardy, and is improved by a moderate frost. Pkt. 5c., oz. 10c., 2 oz. 20c., ¼ lb. 30c., lb. $1.00.

Dwarf German. A dwarf variety; leaves yellowish green and finely frilled. Pkt. 5c., oz. 10c., 2 oz. 20c., ¼ lb. 30c., lb. $1.00.

Brussels Sprouts.

BRUSSELS SPROUTS.

Chou de Bruxelles, Fr. *Sprossen Kohl*, Gr.

Sow seed in May; transplant and cultivate same as cabbage. They grow from two to three feet high, and produce little heads from the axles of each leaf. They are very tender when touched by frost.

Improved Dwarf. Extra fine. Pkt. 5c., oz. 15c., 2 oz. 25c., ¼ lb. 40c., lb. $1.50.

CELEBRATED HAMILTON BEACH GROWN PLANTS.

Cabbage 25c. per 100. Cauliflower 75c. per 100. Special price per 1,000.

MAURICE RADLEY, Outremont, Que., writes: "I have much pleasure in telling you that I won two Firsts with Bruce's Erfurt Cauliflower, with flowers that were fit to win anywhere—1st on Marrows, 1st on Salsify, 2nd on Yellow Onions, 2nd on Hubbards, and 2nd on Collection of Onions, 6 varieties. Last year was a bad one for Cauliflower, but those I won with at Montreal Horticultural Exhibition, were as good as ever grew."

Scotch Kale.

CABBAGE. *Chou*, Fr. *Kohl*, Gr.

(One ounce will sow a bed four feet by ten and furnish about 2,000 plants.)

Sow the early varieties in hot beds or frames, from February to April for early crops, and in the open ground as soon as the soil is in working order. For Fall and Winter Cabbage sow the seeds in beds in the open ground at the end of April, or early in May, and transplant into well-manured ground. Early varieties should be planted in rows two feet apart, and fifteen inches in the rows; late varieties, two and a-half feet each way. The ground must be well worked to produce good heads. Hoe often and draw the earth around the plant.

New Early Spring. This variety is of Early Summer type, but about one-fifth smaller, and has only four or five small outside leaves growing close to the head. *It is the only first early flat cabbage.* It is very uniform in shape, round, and flat at top of head; stem short, head very solid, and free from any rankness in flavor. It heads firmly at an early stage in its growth, so that fine cabbage, though small, can be had before it attains maturity. Pkt. 10c., ½ oz. 30c., oz. 50c.

Express. Extra early, excels in earliness all others; it has the shape and appearance of Early Etampes, but is smaller and eight to ten days earlier; has but a few outside leaves, and therefore may be planted very close and yield large crops; for forcing can hardly be surpassed. Pkt. 5c., oz. 20c., 2 oz. 30c., ¼ lb. 50c., lb. $1.50.

Early Etampes. A fine extra early, ox heart shape, of excellent quality. Pkt. 5c., oz. 15c., 2 oz. 25c., ¼ lb. 40c., lb. $1.50.

Selected Early Jersey Wakefield. To most growers the merits and characteristics of this variety are well-known. To those who may not be familiar with it, we would say that it is justly considered by market gardeners as one of the best and most reliable early cabbages in cultivation. The seed we offer is unequalled in quality. Pkt. 5c., oz. 30c., 2 oz. 50c., ¼ lb. 90c., lb. $3.00.

Charleston Wakefield. This variety is much larger than the preceding, but not quite so early. Pkt. 5c., oz, 30c., 2 oz. 50c., ¼ lb. 90c., lb. $3.00.

Henderson's Early Summer Cabbage.

Early Winningstadt. A standard variety for general use; heads large and remarkably solid; keeps well in hot or cold weather; quality first-rate. Pkt. 5c., oz. 15c., 2 oz. 25c., ¼ lb. 40c., lb. $1.50.

The Lupton. This fine second early cabbage, named after the well-known Long Island grower, though similar in appearance to "All Seasons," is in many respects superior to that popular variety. Pkt. 5c., oz. 25c., 2 oz. 40c., ¼ lb. 75c., lb. $2.50.

Succession. Equally good as a medium early, main crop, or for late use. The heads are very solid and of uniform size, averaging ten to twelve pounds in weight. Pkt. 5c., oz. 30c., 2 oz. 50c., ¼ lb. 90c., lb. $3.00.

Danish Ball-Head (or Hollander). The favorite cabbage of Denmark, where it is grown almost exclusively for winter cabbage. The heads are round, of good marketable size, hard and heavy, fine grained, and long keepers. It will stand well through a dry season, when other sorts fail; matures late. Pkt. 5c., oz. 30c., 2 oz. 50c., ¼ lb. 90c., lb. $3.00.

Selected Jersey Wakefield Cabbage.

Henderson's Early Summer. About ten days later than the early Wakefield, but fully double the size of that well-known variety; one of the best large, early cabbage. Pkt. 5c., oz. 15c., 2 oz. 25c., ¼ lb. 40c., lb. $1.50.

Burpee's All Head. The raiser says: The epitome of our claims for the All Head Cabbage is earliness, large size, great productiveness, good quality, and its adaptation to the market gardeners' necessity for an all-the-year-round cabbage, Pkt. 5c., oz. 25c., 2 oz. 40c., ¼ lb. 75c., lb. $2.50.

Burpee's Surehead. A large and sure-heading main crop cabbage; a splendid keeper and shipper. Pkt. 5c., oz. 25c., 2 oz. 40c., ¼ lb. 75c., lb. $2.50.

All Seasons or Vandergaw. The heads are of large size, round, flattened at the top, and are ready to market nearly as early as Henderson's Summer, while they are hard and solid, and keep well during the winter if planted late. Pkt. 5c., oz. 25c., 2 oz. 40c., ¼ lb. 75c., lb. $2.50.

Succession Cabbage.

CABBAGE—*Continued.*

Fottler's Brunswick Cabbage.

Nonsuch. Claimed to be the best second early *all seasons* variety yet introduced, of the flat Dutch type, solid and of the finest quality; it will produce the largest heads in the shortest time of any cabbage grown. Pkt. 5c., oz. 25c., 2 oz. 40c., ¼ lb. 75c., lb. $2.50.

St. Denis Drumhead. A favorite winter variety, heads large and very solid. Pkt. 5c., oz. 15c., 2 oz. 25c., ¼ lb. 40c., lb. $1.50.

Autumn King or World Beater. Heads very large, broad, thick and solid; stalks short; foliage dark green with slight reddish tinge; a splendid keeper. Pkt. 5c., oz. 30c., 2 oz. 50c., ¼ lb. 90c., lb. $3.00.

Premium Flat Dutch. A popular variety, tender and of superior quality. Pkt. 5c., oz. 15c., 2 oz. 25c., ¼ lb. 40c., lb. $1.50.

Fottler's Improved Short Stemmed Brunswick. This, for a fall or winter cabbage, is without a rival. The heads are large and solid, often weighing from 20 to 30 pounds; it is a sure header, splendid keeper, and of excellent quality. The most profitable variety to grow. Pkt. 5c., oz. 15c., 2 oz. 25c., ¼ lb. 40c., lb. $1.50.

Bruce's Winter. This is a new and distinct extra large and hardy variety; it produces enormous, solid heads, attaining twenty inches in diameter and weighing twenty to thirty pounds. It is very short stemmed, the head almost resting on the ground; is most productive and a good keeper. Pkt. 5c., oz. 25c., 2 oz. 40c., ¼ lb. 75c., lb. $2.50.

Marblehead Mammoth Drumhead. Heads have been exhibited which weighed from 40 to 60 pounds each. Pkt. 5c., oz. 20c., 2 oz. 30c., ¼ lb. 50c., lb. $1.75.

Filderkraut. Conical shaped heads, with very few side leaves. This variety is largely used in Germany in the manufacture of "Kraut." Pkt. 5c., oz. 20c., 2 oz. 30c., ¼ lb. 50c., lb. $1.50.

Drumhead Savoy Cabbage.

RED CABBAGE.

Large Red Drumhead. Produces very large, solid heads, of fine, deep purple color; the best of the class. Pkt. 5c., oz. 20c., 2 oz. 30c., ¼ lb. 50c., lb. $1.50.

Red Dutch. A favorite sort for pickling; heads not so large as preceding. Pkt. 5c., oz. 20c., 2 oz. 30c., ¼ lb. 50c., lb. $1.50.

Mammoth Red Rock. This is the largest red variety known, heads averaging over 10 pounds each, solid as rock, and of a deep red color both outside and inside. Pkt. 5c., oz. 20c., 2 oz. 35c., 4 oz. 60c., lb. $2.00.

SAVOY CABBAGE.

Large German Drumhead. Our stock of this favorite winter variety is unsurpassed for purity, and never fails to produce large, solid heads. Pkt. 5c., oz. 15c., 2 oz. 25c., ¼ lb. 40c., lb. $1.50.

Green Globe Savoy. Heads small but tender, and of fine quality. Pkt. 5c., oz. 15c., 2 oz. 25c., ¼ lb. 40c., lb. $1.50.

CAULIFLOWER.

Chou-Fleur, Fr. *Blumen Kohl*, Gr.

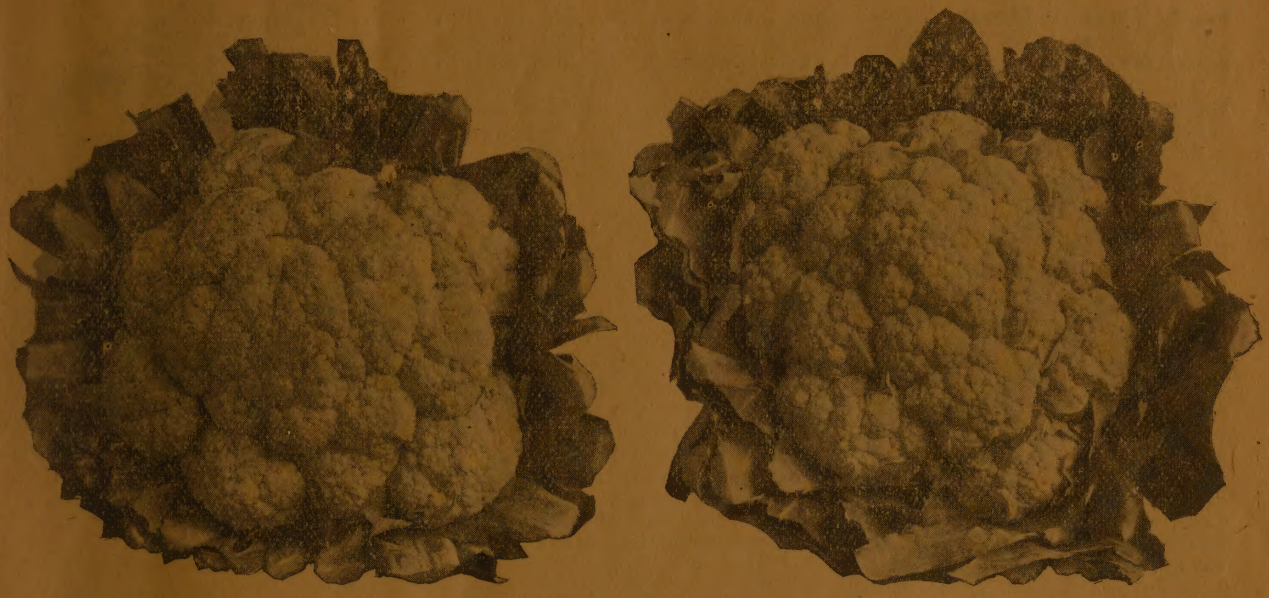
One ounce will furnish about 1,000 plants.

Considerable care is necessary to keep up a supply of Cauliflowers from July to the end of the year. For early crops, sow the seed in a gentle hot-bed about the middle of March, and for late crops sow in the open ground in May and June, and transplant like winter cabbage into rows two and a-half feet apart, and two feet between each plant. A deep, rich loam is the best to produce satisfactory crops of this favorite vegetable. In dry weather water frequently with liquid manure, and as they advance in growth hoe deep, and draw the earth to the stems; as they begin to head, water frequently, and keep the soil open by deep hoeings, and break the large leaves over the flower to protect it from the sun and rain. On the approach of frost the plants which have not headed may be planted out in a cellar, where they can be aired in mild weather, when they will form fine heads.

EARLY SNOWBALL CAULIFLOWER.

Early Snowball. A well-known, extra early variety, heads pure white, large, solid and of extra quality; a sure header. Pkt. 20c., ½ oz. $1.50, oz. $2.50, 2 oz. $4.75, ¼ lb. $9.00.

CAULIFLOWER—*Continued.*



BRUCE'S SELECTED EARLY DWARF ERFURT CAULIFLOWER.
(Reproduced from a Photograph.)

Bruce's Selected Early Dwarf Erfurt. It is now twenty-two years since we first introduced this famous strain of Erfurt Cauliflower, and year after year it has become more popular, until leading market gardeners in nearly every section of the Dominion now grow it entirely, having discarded all the older varieties, as they find our strain of Erfurt to be the surest heading and altogether the most profitable sort for market purposes. On account of its dwarf and compact habit, the plants may be set out twenty to twenty-two inches each way, so that from twelve to fourteen thousand can be planted on an acre. For pickling it is the standard variety; in the compact and solid texture of the snow white heads, combined with its delicious flavor, it surpasses all other sorts. We obtain our supply of seeds direct from the growers, with whom we have a standing contract to deliver a stated quantity for each season, and knowing the scrupulous care exercised in the selection of only the purest and finest heads for seed purposes, have no hesitation in stating that for quality it is not surpassed by any other variety, no matter under what name it may be offered. Pkt. 20c., ½ oz. $1.50, 1 oz. $2.50, 2 oz. $4.75, ¼ lb. $9.00.

Extra Early Paris. Heads medium size. Pkt. 10c., ½ oz. 50c., oz. 80c., 2 oz. $1.50, ¼ lb. $2.50.

Half Early Paris, or Demi Dur. A fine variety. Pkt. 10c., ½ oz. 50c., oz. 80c., 2 oz. $1.50, ¼ lb. $2.50.

Le Normand's Short Stemmed. A variety producing large white compact heads, from nine to twelve inches in diameter. Pkt. 10c., ½ oz. 50c., oz. 80c., 2 oz. $1.50, ¼ lb $2.50.

Autumn Giant. Heads pearly white, large, firm and compact. Pkt. 10c., ½ oz. 25c., oz. 40c., 2 oz. 75c., ¼ lb. $1.25.

Autumn King. In appearance it has some of the characteristics of the Autumn Giant, but it is dwarfer, earlier, and the heads are of an immense size, solid and as white as snow. Pkt. 10c., ½ oz. 50c., oz. 90c., 2 oz. $1.50, ¼ lb. $2.50.

Large Walcheren. A very large variety; sure header. Pkt. 10c., ½ oz. 30c., oz. 50c., 2 oz. 90c., ¼ lb. $1.50.

CARROT. *Carotte*, Fr. *Mohre*, Gr.

One ounce will sow a row of 100 feet; three to four pounds for one acre.

The Carrot is an important root for the farm or garden, and deserves extensive cultivation. It succeeds best in a light sandy loam, richly manured and deeply dug. For early crops sow in rows eighteen inches apart, and thin out to six inches in the row. Hoe often between the rows and keep clear of weeds.

Early Scarlet French Horn. Stump rooted, color deep scarlet, and fine flavor. Pkt. 5c., oz. 10c., 2 oz. 15c., ¼ lb. 25c., lb. 75c.

Early Guerande Half-Long. Stump rooted, intermediate as to length between the French Horn and S. Nantes, but much thicker, attaining at the neck from three to four inches in diameter. Highly recommended. Pkt. 5c., oz. 10c., 2 oz. 15c., ¼ lb. 25c., lb. 75c.

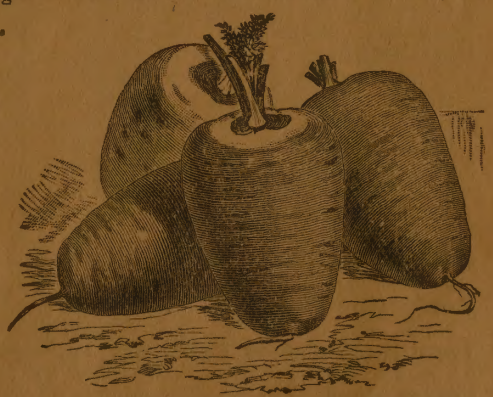
Danver's Half-Long. A handsome stump rooted Carrot, of rich dark orange color, it grows to large size, is smooth and the flesh very close in texture, with little core. Pkt. 5c., oz. 10c., 2 oz. 15c., ¼ lb. 25c., lb. 75c.

Chantenay Half-Long Scarlet. Stump rooted; an excellent variety. Pkt. 5c., oz. 10c., 2 oz. 15c., ¼ lb. 25c., lb. 75c.

Early Half-Long Scarlet Nantes. A large stump rooted variety; superior for table use. Pkt. 5c., oz. 10c., 2 oz. 15c., ¼ lb. 25c., lb. 75c.

St. Valery. A fine selection of the *Intermediate* type, but earlier and far superior in quality and shape; beautifully formed roots with very small core. Pkt. 5c., oz. 10c., 2 oz. 15c., ¼ lb. 25c., lb. 75c.

French Intermediate. A superior half-long pointed variety; good for garden and field culture. Pkt. 5c., oz. 10c., 2 oz. 15c., ¼ lb. 20c., lb. 50c.



Guerande Half-Long Carrot.

CARROT—*Continued.*

Early English Horn. Roots tapering; fine color. Pkt. 5c., oz. 10c., 2 oz. 15c., ¼ lb. 25c., lb. 75c.

Long Orange. Good for general crop, field or garden. Pkt. 5c., oz. 10c., ¼ lb. 20c., lb. 50c.

Long Scarlet Altringham. An excellent variety for field or garden. Pkt. 5c., oz. 10c., ¼ lb. 20c., lb. 50c.

FOR FIELD VARIETIES SEE AGRICULTURAL SEEDS.

Chantenay Carrot.

CELERY.

Céleri, Fr. *Sellerie*, Gr.

One ounce will furnish about twenty-five hundred plants.

For early crops sow the seed in hot-beds during March, and when three inches high transplant into a well prepared bed, and protect with boards or mats in frosty weather. For late crops sow in April. When up to the above size transplant into a bed, three inches apart, and when about six inches high plant six inches apart into trenches for blanching; dig the trenches four feet apart and fifteen inches wide, and ten inches deep; fill in four or five inches of well rotted manure, and mix it thoroughly, half a spade deep, with earth at the bottom. The tops and roots of the plants should be shortened, and the suckers pinched off before they are planted; give a good watering after planting; to blanch, earth up two or three times during their growth, holding the leaves close with the hand while the earth is drawn up, taking care that none of it falls into the centre of the plant. Celery, like Asparagus, is wonderfully improved by superior culture.

Giant White Pascal Celery.

Giant White Pascal. This is the largest Celery grown as regards width and thickness of stalks. When fully grown the outer stalks average two inches wide, are unusually thick, and are always *crisp* and *brittle*, snapping like glass, and having a rich, nutty flavor. Unlike most other Celeries, it never becomes watery, and can be eaten when quite small. A very vigorous grower and a good keeper. Pkt. 5c., oz. 20c., 2 oz. 30c., ¼ lb. 50c., lb. $1.50.

White Plume. The stalk and portions of the inner leaves and heart *are naturally white*. Its eating qualities are equal to the very best of the older sorts, being crisp, solid, and of pleasing flavor, while the white, feather-like foliage places it ahead of others as a table ornament. Pkt. 5c., oz. 20c., 2 oz. 35c., ¼ lb. 60c., lb. $2.00.

Paris Rose Ribbed. This handsome *new* variety, introduced by us three years ago, is practically identical with the Paris Golden Yellow, except that the naturally golden colored stalks are suffused with a warm rosy hue, which gradually fades towards the top of the stalks where it assumes a bright golden color when properly blanched and fit for the table. The plant is dwarf and heavy; the stalks broad, solid and brittle; while possessing in a marked degree the crispness, rich, nutty flavor and long keeping qualities for which red celeries are noted. Pkt. 10c., oz. 50c., 2 oz. 90c., ¼ lb. $1.50, lb. $5.00.

Hamilton Red Celery.

Hamilton Red. This is the best of the red Celeries, its distinctive features being its size, superior flavor and long keeping qualities. It grows about two feet high, the stalks being unusually broad; thick and crisp. Pkt. 10c., oz. 40c., 2 oz. 75c., ¼ lb. $1.25, lb. $4.50.

Pink Plume. This handsome new variety is practically identical with the well-known "White Plume," but with the added merit of the stalks being exquisitely suffused with pink and possessing the crispness and rich nutty flavor for which red Celeries are noted. Pkt. 5c., oz. 20c., 2 oz. 35c., ¼ lb. 60c., lb. $2.00.

Large Ribbed Red. A sport of the Giant Pascal, having all its good qualities; compact growth, excellent quality, tender, a splendid keeper, handsome appearance and the feature of all Red Celeries, a fine flavor. Pkt. 5c., oz. 20c., 2 oz. 35c., ¼ lb. 60c., lb. $2.00.

Golden Hearted Dwarf. The heart is large and of a waxy golden yellow. Pkt. 5c., oz. 20c., 2 oz. 30c., ¼ lb. 50c., lb. $1.50.

Perfection Heartwell. One of the best for winter use; quality extra. Pkt. 5c., oz. 20c., 2 oz 35c., ¼ lb. 60c., lb. $2.00.

Turnip Rooted or Celeriac. Has edible roots which are used for soups, etc. Pkt. 5c., oz. 20c., 2 oz. 35c., ¼ lb. 60c., lb. $2.00.

Celery Seed. For flavoring soup, etc. Oz. 5c., ¼ lb. 15c., lb. 40c.

Celery Plants. All the leading varieties, 75c. per 100. Special prices for large quantities.

CELERY—*Continued.*

Paris Golden Yellow Large Solid, Bruce's Selected. This fine variety, introduced by us in 1882, has now become the standard variety for general use. The stalks grow vigorously, with large ribs very thickly and closely set. It is self-blanching to a very remarkable degree. The heart is of a beautiful golden yellow color, very large, crisp and solid. Unlike other self-blanching varieties, it is an extra good keeper—keeping well all winter—and of the finest sweet flavor. On the market stall or table it is unequalled in handsome and striking appearance. Pkt. 10c., oz. 50c., 2 oz. 90c., ¼ lb. $1.50, lb. $5.00.

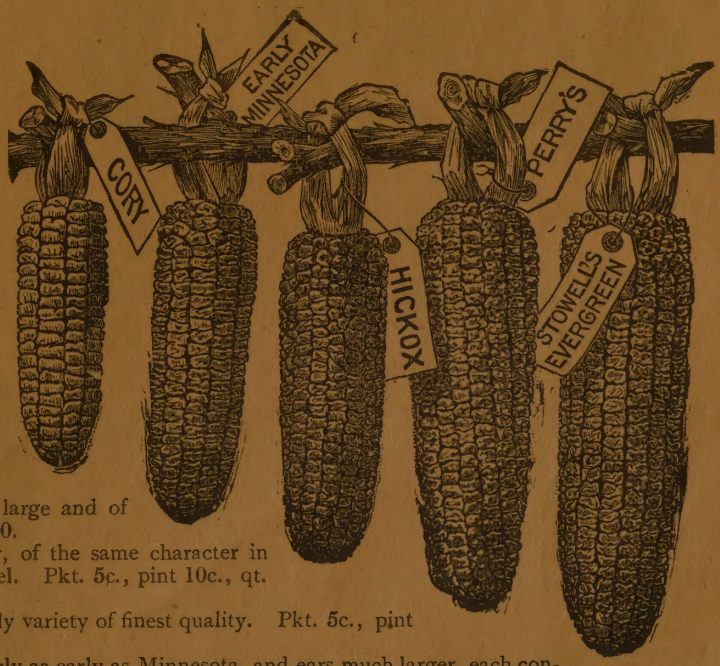
CORN—Sweet or Sugar.

Mais, Fr. *Maiz*, Gr.

When Corn is to be sent by mail add postage at the rate of 4c. per pint within the Dominion of Canada, and 16c. per pint to Newfoundland and the United States.

One pint will plant 100 hills. One peck for an acre.

Plant in hills three feet apart each way, and three or four grains in a hill. Hoe often and draw the soil to the stems; plant about the middle of May, and for a succession every two weeks until July.



First of All. It is claimed for this variety to be from three days to a week earlier than the Early Cory. In habit of growth it is rather dwarfer. A valuable market variety. Pkt. 5c., pint 10c., qt. 20c., pk. $1.00.

The Cory Sugar. This has now become the standard first crop variety with gardeners and market growers, having fully established its character as the earliest of all the Sweet Corns. The ears are large and of fine quality. Pkt. 5c., pint 10c., qt. 20c., pk. $1.00.

Early White Cory. A selection from the Cory, of the same character in all respects, except that it has a white cob and kernel. Pkt. 5c., pint 10c., qt. 20c., pk. $1.00.

Early Minnesota Sugar. A well-known early variety of finest quality. Pkt. 5c., pint 10c., qt. 20c., pk. $1.00.

Perry's Hybrid Sugar. An early variety, nearly as early as Minnesota, and ears much larger, each containing from twelve to fourteen rows of kernels. Pkt. 5c., pint 10c., qt. 20c., pk. $1.00.

Crosby's Early Sugar. Rich sugary flavor; very productive. Pkt. 5c., pint 10c., qt. 20c., pk. $1.00.

Early Mammoth. Very similar to the Late Mammoth, but much earlier. One of the best. Pkt. 5c., pint 10c., qt. 20c., pk. $1.00.

Shaker's Large Early. A superior early variety, with large, well-filled ears; the kernels are of pearly whiteness, and most delicious flavor. It is ready to market one week after Crosby's, while the ears are very much larger. This variety will fill the interval between Crosby's and Stowell's Evergreen. Pkt. 5c., pint 10c., qt. 20c., pk. $1.00.

CORN—*Continued.*

Old Colony. A fine second early, a little later than Crosby's but of stronger growth and producing larger ears, of splendid quality. A fine canning variety. Pkt. 5c., pint 10c., qt. 20c., pk. $1.00.

Nonsuch. An extra large eared second early. The fodder and cobs are pink in color, the corn when fit for use pure white, 10 to 14 rows on the cob. A most productive and desirable variety. Pkt. 5c., pint 10c., qt. 20c., pk. $1.00.

Hickox Sugar. A second early, ears nearly as large as Mammoth, more productive, and is largely grown for canning by the leading factories in Canada and the United States. Pkt. 5c., pint 10c., qt. 20c., pk. $1.00.

Country Gentleman. An exceptionally productive variety, bearing 3 to 5 ears on the stalk, and of the finest quality. The cob is very small, giving great depth to the kernels, which are of pearly whiteness, sweet and tender. Matures a little before Stowell's Evergreen. Pkt. 5c., pint 10ct. qt. 20c., pk. $1.00.

Stowell's Evergreen Sugar. A standard variety, remaining green longer than any other kind. Pkt. 5c., pint 10c., qt. 20c., pk. $1.00.

Mammoth Sugar. A late variety, and the largest of all, productive and fine flavored. Pkt. 5c., pint 10c., qt. 20c., pk. $1.00.

Parching or Pop. Several varieties; red, black, white, etc. Per lb. 10c., 10 lbs. 50c., shelled.

Early Mammoth Sweet Corn.

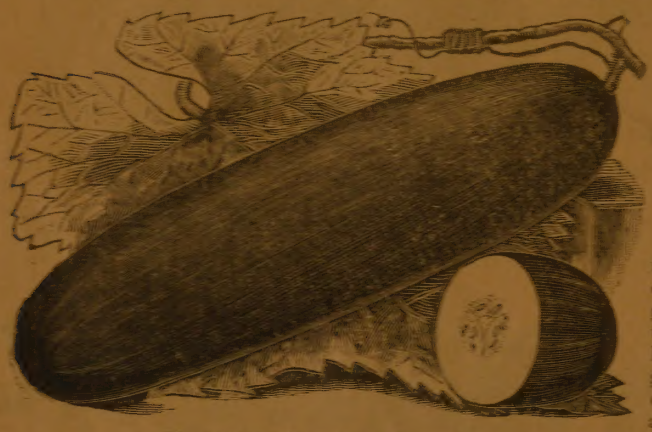
CRESS or PEPPER GRASS. *Cresson*, Fr. *Kresse*, Gr.

The curled and broad-leaved varieties sow thickly in shallow drills every two weeks throughout the season; give occasional waterings in dry weather. The Water Cress is an aquatic plant, with small oval leaves and prostrate habit. Sow the seed in a well prepared bed, and when rooted, transplant to the banks of a running stream.

Extra Curled. The best for salads. Pkt. 5c., oz. 10c., 2 oz. 15c., ¼ lb. 20c., lb. 50c.

Broad Leaved. Pkt 5c., oz. 10c., 2 oz. 15c., ¼ lb., 20c., lb. 50c.

True Water. Pkt. 10c., ½ oz. 25c., oz. 40c., 2 oz. 75c., ¼ lb. $1.25.



New Cucumber—The Emerald.

CUCUMBER. *Concombre*, Fr. *Gurke*, Gr.

One ounce will plant fifty hills. Two or three pounds for one acre.

OPEN AIR CULTURE—For general crops, plant from the middle of May to the middle of June, in hills five feet apart each way, elevating the hills a little above the level of the ground. Put eight or ten seeds into each hill and cover them half an inch deep with fine soil, and press the earth a little over the seeds with the back of the hoe; keep the ground loose and clear of weeds, and in dry weather water occasionally; after they have obtained a vigorous growth, and the danger from insects is over, they should be thinned out, leaving four thrifty plants in a hill.

The Emerald. Its fruit sets early, and its vigorous vines abound in long, straight, handsome fruits, the flesh being peculiarly crisp and tender, and the flavor delicate. Highly recommended as a slicer; it is equally good for pickles. For forcing, for those who grow under glass, or for long distance shipping, it will prove a boon, on account of holding its deep green so much longer than most other sorts. As an all-purpose, table or market variety, it cannot be surpassed. Pkt. 5c., oz. 15c., 2 oz. 25c., ¼ lb. 40c., lb. $1.50.

Fordhook Pickling. This *new* and distinct variety is wonderfully prolific, and almost a continuous bearer, for it produces plentifully after other varieties have ceased to bear. One of its great advantages is that it has a thin skin and is crisp and tender. It is a strong and vigorous grower, and for canners and market gardeners cannot be equalled. Pkt. 5c., oz. 10c., 2 oz. 15c., ¼ lb. 25c., lb. 75c.

Early Russian. Fruit from three to four inches long, and an inch and a-half in diameter. Pkt. 5c., oz. 10c., 2 oz. 15c., ¼ lb. 20c., lb. 60c.

Early Cluster. A very popular early Cucumber, producing its fruit in clusters. Pkt. 5c., oz. 10c., 2 oz. 15c., ¼ lb. 20c., lb. 60c.

Chicago Pickling Cucumber.

Improved Chicago Pickling. A very prolific variety, combining all the qualities desired by those who raise cucumbers for commercial pickles. Pkt. 5c., oz. 10c., 2 oz. 15c., ¼ lb. 20c., lb. 60c.

Improved Long Green. Skin dark green, changing to yellow as the fruit approaches maturity; flesh white, somewhat seedy, but crisp, tender and fine flavored. Pkt. 5c., oz. 10c., 2 oz. 15c., ¼ lb. 20c., lb. 60c.

Jersey Pickling. A very fine pickling variety, of late introduction. Pkt. 5c., oz. 10c., 2 oz. 15c., ¼ lb. 25c., lb. 75c.

CUCUMBER—*Continued.*

Green Prolific Pickling. A splendid variety, selected with great care by one of the largest growers of pickling cucumbers; 200,000 can be grown on one acre. Pkt. 5c., oz. 10c., 2 oz. 15c., ¼ lb. 20c., lb. 60c.

Early White Spine. One of the best table sorts and highly prized by marketmen on account of its color, which never changes to yellow. Pkt. 5c., oz. 10c., 2 oz. 15c., ¼ lb. 20c., lb. 60c.

Boston Pickling. A popular variety for pickling. Pkt. 5c., oz. 10c., 2 oz. 15c., ¼ lb. 20c., lb. 60c.

Nichol's Medium Green. Equally good for the table or for pickles. Pkt. 5c., oz. 10c., 2 oz. 15c., ¼ lb. 20c., lb. 60c.

White Pearl. About the size and general shape of the Improved White Spine, the fruit when ripe being pure white, flesh solid and of excellent quality. Pkt. 5c., oz. 10c., 2 oz. 15c., ¼ lb. 25c., lb. 75c.

Everbearing. Very early, small sized and enormously productive, and valuable as a green pickler. Pkt. 5c., oz. 10c., 2 oz. 15c., ¼ lb. 25c., lb. 75c.

Giant Pera. The Green Cucumbers are fit to eat at any stage of growth, the flesh is very clear, crisp and brittle, and of fine flavor, fruit from twelve to fifteen inches in length. Pkt. 5c., oz. 10c., 2 oz. 15c., ¼ lb. 25c., lb. 75c.

Paris Pickling. Fruits are slim and slender, from three to five inches in length, crisp and brittle; they snap freely, and when ready for pickling show absolutely no signs of seeds. Pkt. 5c., oz. 10c., 2 oz. 20c., ¼ lb. 30c., lb. $1.00.

Improved Long Green Cucumber.

Frame Cucumber.

Japanese Climbing. Fruit of medium size, well-formed, and of dark green color; flesh very thick and of exquisite flavor. It can be grown as an ordinary ridge cucumber, or as a climber. Pkt. 5c., oz. 10c., 2 oz. 20c., ¼ lb. 30c., lb. $1.00.

West India Gherkins. Used only for pickles. Pkt. 5c., oz. 20c., 2 oz. 35c., ¼ lb. 60c., lb. $2.00.

English Gherkins. For pickles. Pkt. 5c., oz. 20c., 2 oz. 30c., ¼ lb. 50c., lb. $1.50.

Stockwood Ridge. A black spined variety, twelve to eighteen inches long. Pkt. 10c., oz. 50c.

FRAME OR GREEN-HOUSE VARIETIES.

UNDER GLASS CULTURE IN SMALL POTS.—Sow from middle of January, in soil that is slightly moist, and give little or no water until the seeds have germinated; when grown to three leaves, plant out in previously prepared loose, rich soil. In forcing, the night temperature should not be allowed to sink below 60°, and the day heat should range from 70° to 80°. Admit air in all mild weather.

Lockie's Perfection. The fruit is of a beautiful green, of medium length, straight and short necked, carrying a splendid bloom, and of unsurpassed flavor; a wonderful cropper. Pkt. 25c.

Telegraph. (Rollison's). Dark green in color; quick in growth; handsome, with very small neck, and unusually prolific. One of the most reliable sorts. Pkt. 25c.

Tender and True. A very free bearing variety, of strong constitution; flavor excellent; a fine market variety. Pkt. 25c.

CHICORY. *Chicorée Sauvage*, Fr. *Cichorie*, Gr.

It may be sown and treated in the same manner as carrots. Used to mix with, or as a substiute for coffee.

Large Rooted or Coffee. Pkt. 5c., oz. 10c., 2 oz. 15c., ¼ lb. 25c., lb. 75c.

CORN SALAD. *Mache*, Fr. *Ackersalat*, Gr.

Sow the seed early in September, thickly, in shallow drills six inches apart, and protect through the winter with a slight covering of clean straw. It requires rich soil. Pkt. 5c., oz. 10c., 2 oz. 15c., ¼ lb. 25c., lb. 75c.

CURLED CHERVIL. *Cerfeuil*, Fr. *Kerbel*, Gr.

Cultivated and used like Parsley; sow at any time in the spring, in shallow drills one foot apart. Pkt. 5c., oz. 15c., 2 oz. 25c., ¼ lb. 40c., lb. $1.25.

New York Egg Plant.

EGG PLANT. *Aubergine*, Fr. *Eirpflanze*, Gr.

Sow the seed thickly in a hot-bed in March, and plant out at the end of May in a rich, warm piece of ground in rows two feet apart and one foot in the rows. They bear their fruit when about fifteen inches high.

New York Improved Round Purple. The leading variety; very large and productive. Pkt. 10c., oz. 50c., 2 oz. 80c., ¼ lb. $1.40, lb. $5.00.

Long Purple. Very hardy; early and productive. Pkt. 5c., oz. 20c., 2 oz. 35c., ¼ lb. 60c., lb. $2.00.

ENDIVE. *Chicorée*, Fr. *Endivie*, Gr.

Sow middle of July, in drills or beds; when up, thin out to stand twelve inches apart; when the leaves are six or eight inches long, blanch them by gathering the leaves in the hand and tying them together near the top with matting. It is highly esteemed as a salad.

Green Curled. Very heavy; leaves dark green; tender and crisp. Pkt. 5c., oz. 20c., 2 oz. 35c., ¼ lb. 60c., lb. $2.00.

White Curled. Leaves pale green; a good variety. Pkt. 5c., oz. 20c., 2 oz. 35c., ¼ lb. 60c., lb. $2.00.

GARLIC. *Ail*, Fr. *Lauch*, Gr.

Plant in rows six inches apart, and about two inches deep; leave a foot between the rows; when the leaves turn yellow take up the crop. It is used extensively for season-ign pickles, etc.

Large Italian. Sets, ¼ lb. 15c., lb. 40c., postpaid.

KOHL-RABI—Turnip-Rooted Cabbage.

Chou-Rave, Fr. *Kohl-Rabi*, Gr.

Early Purple Vienna. Pkt. 5c., oz. 20c., 2 oz. 35c., ¼ lb. 60c., lb. $2.00.

Early White Vienna. Pkt. 5c., oz. 20c., 2 oz. 35c., ¼ lb. 60c., lb. $2.00.

Scotch Leek.

LEEK. *Poireau*, Fr. *Porro*, Gr.

Sow early in Spring, in drills or beds; when the plants are eight or ten inches high, transplant them in rows six inches apart and twelve inches between the rows. Plant at least six inches deep to have them well blanched. By many they are preferred to onions for soup, etc.

Large Scotch, or Musselburgh. Grows to an immense size; hardy and fine flavored. Pkt. 5c., oz. 20c., 2 oz. 30c., ¼ lb. 50c., lb. $1.50.

Extra Large Carentan. Very hardy; extraordinary size. Pkt. 5c., oz. 20c., 2 oz. 30c., ¼ lb. 50c., lb. $1.50.

LETTUCE. *Laitue*, Gr. *Lattich*, Fr.

One ounce will sow a row of a hundred feet.

For early use, sow in hot-beds in February, and for general use as early in the Spring as the ground can be worked, in a well-prepared bed or drills; thin or transplant to one foot apart for heading. A sowing should be made at intervals throughout the season for succession.

Bruce's Nonpareil Cabbage. This well-known variety has proved itself during the past forty years to be one of the best Lettuces for out-door cultivation, and for forcing in the green-house it has no equal; in color it is a beautiful yellowish green, the heads being large, solid and of the finest quality. Pkt. 5c., oz. 15c., 2 oz. 25c., ¼ lb. 40c., lb. $1.50.

The Gardener's Favorite. A standard variety for early forcing or out-door cultivation. Crisp, sweet and tender. Color yellowish green, heads large and solid. Pkt. 5c., oz. 15c., 2 oz. 25c., ¼ lb. 40c., lb. $1.50.

Hamilton Market. A variety of local origin; heads large, very solid; tender and well-flavored. Color, yellowish green, suitable for forcing and open air cultivation. Pkt. 5c., oz. 15c., 2 oz. 25c., ¼ lb. 40c., lb. $1.50.

Bruce's Nonpareil Cabbage Lettuce.

Big Boston. Resembles the popular Boston Market, but is nearly twice as large; desirable for forcing in frames and for spring and fall out-door planting. Pkt 5c., oz. 20c., 2 oz. 35c., ¼ lb. 60c., lb. $2.00.

Early Curled Simpson. (Black Seed). A splendid forcing variety; one of the best. Pkt. 5c., oz. 15c., 2 oz. 25c., ¼ lb. 40c., lb. $1.25.

Grand Rapids. This variety is best adapted for forcing. Leaves medium size, of light yellowish green color, much crimped and frilled; forms a fair-sized but loose head, crisp and of good quality. Owing to its upright habit, it may be planted very closely. A good shipper. Pkt. 5c., oz. 15c., 2 oz. 25c., ¼ lb. 40c., lb. $1.25.

Extra Early Ohio. Oval-shaped heads, solid, sweet and crisp. A good variety for forcing. Pkt. 5c., oz. 15c., 2 oz. 25c., ¼ lb. 40c., lb. $1. 50.

Boston Market, or Tennis Ball. One of the earliest, heads small, solid, crisp and fine flavored. Pkt. 5c., oz. 15c., 2 oz. 25c., ¼ lb. 40c., lb. $1.25.

Brown Dutch. Very hardy; one of the very best for winter use. Pkt. 5c., oz. 15c., 2 oz. 25c., ¼ lb. 40c., lb. $1.25.

Blonde Beauty. Its beautifully curled white leaves, with their slight golden tinge, give it a pleasing appearance; heads large and solid. Pkt. 5c., oz. 15c., 2 oz. 25c., ¼ lb. 40c., lb. $1.50.

Hanson. A well-known variety; heads large and of finest quality. Pkt. 5c., oz. 15c., 2 oz. 25c., ¼ lb. 40c., lb. $1.25.

Early Curled Silesia. Very early and good for forcing. Pkt. 5c., oz. 15c., 2 oz. 25c., ¼ lb. 40c., lb. $1.25.

Paris White Cos. The finest form of Lettuce of the Cos type. Pkt. 5c., oz. 20c., 2 oz. 30c., ¼ lb. 50c., lb. $1.75.

The Gardener's Favorite Lettuce.

Mr. Wm. Leith, Gardener, St. Catharines, writes: "All the Seeds purchased from you have given the best of satisfaction; they were fresh and true to name."

Mr. S. N. Watts, Sr., Portsmouth, one of our oldest customers and the oldest Gardener around Kingston, writes: "I do not want to change my Seedsman, as I have been well satisfied in the past. Enclosed is my order."

MUSK MELON. *Melon*, Fr. *Melone*, Gr.

One ounce will plant about sixty hills; three pounds to an acre.

CULTURE—Plant middle of May, in hills six feet apart each way, eight to ten seeds in each, and thin out to three or four plants when in a state of forwardness. To grow good melons, the hills should be prepared by digging out the soil from one and a-half to two feet deep, and two or three feet broad, according to the richness of the land. Add a very liberal quantity of best decomposed manure, and mix well with soil, filling a little above the level. Seeds should not be put into the hills until the weather becomes settled and warm.

New Musk Melon—Paul Rose.

Paul Rose. (New). A successful cross of the Osage with the Netted Gem, combining the sweetness of the former with the fine netting of the Gem. It surpasses all melons as a shipper and long keeper, and no other equals it in smallness of seed cavity, nor approaches it in firmness. The flesh is salmon color, extra deep, and of the most delicious flavor; it ripens from ten days to two weeks earlier than the Osage. They are wonderfully uniform in size and appearance, the average weight being about 1½ pounds, recommended as a most desirable variety for market or home use. Pkt. 5c., oz. 15c., 2 oz. 25c., ¼ lb. 40c., lb. $1.25.

Rocky Ford. (New). This fine extra early variety is largely grown in Colorado and shipped by the carload to the eastern cities. The flesh is light green in color, very juicy and rich, and good clear to the rind. It is medium in size, of round form and a good keeper. Its size, shape and fine quality, and being a good shipper, will commend it alike to the family table and the market gardener. Pkt. 5c., oz, 15c., 2 oz. 25c., ¼ lb. 40c., lb. $1.25.

Extra Early Citron. The largest of the very early Cantaloupes, form half flat, fairly webbed, flesh green. The merit of this sort consists in its extra early habit, for which it will be found profitable by all market gardeners. Pkt. 5c., oz. 10c., 2 oz. 15c., ¼ lb. 25c., lb. 75c.

Emerald Gem. A splendid variety for gardeners on account of its great earliness and luscious flavor. Skin, while ribbed, is smooth, of an emerald green color; flesh salmon, and rind thin; melons of fair size. Pkt. 5c., oz. 10c., 2 oz. 15c., ¼ lb. 25c., lb. 75c.

Large Hackensack. A standard variety. The melons weigh from four to ten pounds each, and are of a delicious flavor. Pkt. 5c., oz. 10c., 2 oz. 15c., ¼ lb. 25c., lb. 75c.

Extra Early Hackensack. This variety resembles its progenitor but is smaller and about ten days earlier. Pkt. 5c., oz. 10c., 2 oz. 15c., ¼ lb. 25c., lb. 75c.

Long Island Beauty. This splendid variety is an improvement on the Hackensack, which it resembles to a certain degree. It is one of the earliest melons grown, good size, flattish in shape, well netted, and has sweet green thick flesh of delicious flavor. A Beauty. We highly recommend it. Pkt. 5c., oz. 10c., 2 oz. 15c., ¼ lb. 25c., lb. 75c.

Jersey Belle. Unlike other extra early sorts, does best on light soils. It is flattened on the ends, deeply ribbed and heavily netted, indicating by its outward appearance the exquisite quality of the beautiful green flesh within. Pkt. 5c., oz. 10c., 2 oz. 15c., ¼ lb. 25c., lb. 75c.

New Rocky Ford Musk Melon.

Extra Early Hackensack Melon.

Delmonico. Is an oval melon of large size, and deeply netted. The flesh is an orange pink color, and of delicious flavor. Pkt. 5c., oz. 10c., 2 oz. 15c., ¼ lb. 25c., lb. 75c.

The Princess. Fruit nearly round, with heavily netted dark green skin; the flesh is of a rich salmon color, and the flavor is sweet beyond description. Pkt. 5c., oz. 10c., 2 oz. 15c., ¼ lb. 25c., lb. 75c.

Montreal Improved Green Nutmeg. This variety grows to a large size, beautifully netted and deeply ribbed, flesh light green, melting and of exquisite flavor. Pkt. 5c., oz. 10c., 2 oz. 15c., ¼ lb. 25c., lb. 75c.

Osage or Miller's Cream. Flesh is a rich salmon color, very thick, sweet, rich and delicious. It has a thin rind, finely netted; a vigorous grower and very produtive. Pkt. 5c., oz. 10c., 2 oz. 15c., ¼ lb. 25c., lb. 75c.

Early Orange Christiana. Yellow flesh. It is ten days earlier than the Nutmeg. Pkt. 5c., oz. 10c., 2 oz. 15c., ¼ lb. 25c., lb. 75c.

Bay View Green Flesh. A well-known variety, of vigorous growth, great productiveness, large size and delicious flavor. Pkt. 5c., oz. 10c., 2 oz. 15c., ¼ lb. 25c., lb. 75c.

Skillman's Early Citron. Very early, oval in shape, flesh deep green. Pkt. 5c., oz. 10c., 2 oz. 15c., ¼ lb. 25c., lb. 75c.

WATER MELON. *Melon d'eau*, Fr. *Wassermelone*, Gr.

One ounce for every thirty hills; four to five pounds for an acre.

The Water Melon is purely a tropical fruit, greatly appreciated for its refreshing coolness and delicious flavor. Cultivate same as Musk varieties, only that hills should be eight feet apart each way.

Sweet Heart. Early, uniformly large, handsome and productive. As a shipper and long keeper it has no equal. Fruit is oval, heavy, and mottled light green. Flesh bright red, firm and solid, but very tender. A profitable variety for market gardeners. Pkt. 5c., oz. 10c., 2 oz. 15c., ¼ lb. 25c., lb. 75c.

Peerless. An extra early variety of medium size; thin rind, light mottled green; flesh bright scarlet. Pkt. 5c., oz. 10c., 2 oz. 15c., ¼ lb. 25c., lb. 75c.

Dixie. A cross between Kolb's Gem and Mountain Sweet, surpassing the former in shipping qualities and fully equalling the latter in fine eating quality and flavor, being a week or ten days earlier than either. Pkt. 5c., oz. 10c., 2 oz. 15c., ¼ lb. 25c., lb. 75c.

The Boss. Oblong in shape, skin dark green, flesh deep scarlet and of rich flavor; early, heavy, productive and a good shipper; a favorite with market growers. Pkt. 5c., oz. 10c., 2 oz. 15c., ¼ lb. 25c., lb. 75c.

Dixie Water Melon.

Green and Gold. A large variety, very productive and of delicious flavor. Pkt. 5c., oz. 10c., 2 oz. 15c., ¼ lb. 25c., lb. 75c.

Kolb's Gem or American Champion. It attains a weight of from 25 to 50 lbs. Its flavor and its keeping qualities are the best. Pkt. 5c., oz. 10c., 2 oz. 15c., ¼ lb. 25c., lb. 75c.

Hungarian Honey. This is the most luscious variety known, and at the same time ripens early; is of good size, perfectly round and productive; skin a handsome, medium dark green, flesh bright red. Pkt. 5c., oz. 10c., 2 oz. 15c., ¼ lb. 25c lb. 75c.

Phinney's Early. An early, hardy and productive red fleshed variety. Pkt. 5c., oz. 10c., 2 oz. 15c., ¼ lb. 25c., lb. 75c.

Cuban Queen. Flesh bright red, remarkably solid, crisp and sugary, and for delicious flavor is unsurpassed. Pkt. 5c., oz. 10c., 2 oz. 15c., ¼ lb. 25c., lb. 75c.

Citron. Fruit round, flesh white and solid; used for making preserves only. Red seed. Pkt. 5c., oz. 10c., 2 oz. 15c., ¼ lb. 25c., lb. 75c.

Citron Colorado Preserving. Of large size, very productive and of excellent quality; green seed. Pkt 5c., oz. 10c., 2 oz. 15c., ¼ lb. 25c., lb. 75c.

MUSHROOM SPAWN.

Blanc Champignon, Fr. *Essbare Blatter Schwamme*, Gr.

Mushrooms can be grown in any cool, shady situation out of doors in the summer time, and during the winter months in any outhouse, shed or cellar where the temperature does not fall below 45°, and is tolerably uniform. Where such conditions are at hand, proceed as follows: Collect the fresh horse droppings from the stable every day, shake out the greater bulk of the straw, and spread the remainder, not too thinly, over a floor in any shed where the rain is kept out. The best site for a bed is a dry, hard floor in any of the structures that we have before suggested, and the best size for a moderate bed is one which will measure about six feet by four, and not less than twelve inches in depth. Then commence to make the bed by putting in the droppings regularly and lightly in layers until the mass is about two feet deep. Beat or tread the materials until they are compressed firmly to the depth of about twelve inches, when a test-peg should be inserted to ascertain the temperature, and it may be left for a few days to heat. Take the peg out every morning and try the temperature with the hand, and as soon as the heat is found to be on the wane, and the test-peg can be handled comfortably, insert pieces of spawn about the size of a walnut at intervals of three or four inches apart and just below the surface of the dung. If there is no likelihood of the temperature of the bed rising, it may be soiled at once, otherwise it would be better to defer this for a day or two. The soiling consists simply of covering the bed to the depth of about three inches with good loam, which must be beaten firmly with the back of a spade. The test-peg must be inserted again, and then the only attention that will be required is to see that the temperature does not fall to low; and if there should be any signs of this, the evil may be corrected by covering the bed with hay to the depth of three or four inches. In about six weeks time the Mushrooms should begin to show, and if the bed is getting dry give a watering with warm water, which will probably be required afterwards about once a fortnight, as success depends on maintaining a uniform temperature.

Mushroom Spawn.

Fresh English Milltrack Spawn, in bricks, 20c. each; 5 for 75c.; 12 for $1.50. If to be sent by mail add 5c. a brick for postage within the Dominion of Canada, and 20c. to Newfoundland and the United States.

NEW VIRGIN MUSHROOM SPAWN.

The idea of raising virgin spawn by sowing the spores of the best Mushrooms has occurred to many minds, but all endeavors remained fruitless until Dr. Repin, after countless experiments succeeded, two years ago, in manufacturing virgin pawn at will.

This Virgin Spawn, which is now manufactured according to Dr. Repin's process, is characterized by its great vigor of growth, and being raised from spores of the best and healthiest Mushrooms, it does not contain any of the bacterial or other organisms which may be prevalent in spawn that has not been manufactured and sterilized by this new process. It therefore is not so liable to be attacked by diseases, a consideration which alone possesses a high degree of interest and does away with one of the great drawbacks in Mushroom growing. The Virgin Spawn is sold in the form of compressed and sterilized manure slabs or tablets, thoroughly pervaded by the spawn, and which are half an inch thick and about 10 square inches wide. 25c. a tablet; $2.00 per dozen postpaid.

MUSTARD. *Moutarde*, Fr. *Senf*, Gr.

For early salad sow in hot-beds in February and March; and for general crops, at intervals throughout the season, in shallow drills six inches apart.

White. For salad.....Per pkt. 5c., oz. 10c., ¼ lb. 15c., lb. 30c.

ONION. *Ognon*, Fr. *Zwiebel*, Gr.

(One ounce will sow a row of 100 feet; 5 lbs. to the acre).

Onion seed is sown from the first of April to the middle of May—the earlier the better—provided the ground is dry enough to work light and fine. Rich soil, with a good application of manure every year, and proper attention, will almost invariably insure a good crop. Onions, unlike most other crops, may be raised on the same ground for an indefinite length of time. Onion sets and tops are placed on the surface in shallow twelve inch drills, about four inches apart, but not covered.

Early Red Globe. Globe shaped, skin deep red, flesh white; mild and tender; handsome in appearance and ripens early. Pkt. 5c., oz. 20c., 2 oz. 35c., ¼ lb. 60c., lb. $2.00.

Extra Early Flat Red. Resembles the Wethersfield in color, but is much earlier; valuable for heavy, late soils. Pkt. 5c., oz. 15c., 2 oz. 25c., ¼ lb. 40c., lb. $1.50.

Large Red Wethersfield. Skin deep purplish red, flesh purplish white; fine grained and stronger flavor than that of the yellow and early red varieties; productive, and one of the best to keep. Pkt. 5c., oz. 15c., 2 oz. 25c., ¼ lb. 40c., lb. $1.40.

Danvers Yellow Globe. Bruce's Selected, a fine variety; above the medium size, globular in form, skin yellowish brown, flesh white; mild and well flavored; very productive. The most profitable variety for market gardeners to grow. Pkt. 5c., oz. 15c., 2 oz. 25c., ¼ lb. 35c., lb. $1.25.

Danvers Yellow Flat. In quality, equal to the preceding, but flat in shape. Pkt. 5c., oz. 15c., 2 oz. 25c., ¼ lb. 35c., lb. $1.20.

Yellow Dutch. Very flat and productive. Pkt. 5c., oz. 15c., 2 oz. 25c., ¼ lb. 35c., lb. $1.20.

White Globe. A large globe-shaped variety; very solid, of mild flavor, and good keeper; clear white skin, and always commands the highest market price. Pkt. 5c., oz. 25c., 2 oz. 40c., ¼ lb. 75c., lb. $2.50.

White Portugal. Large flat onion; mild flavor; fine for early winter use. Pkt. 5c., oz. 25c., 2 oz. 40c., ¼ lb. 75c., lb. $2.50.

Welsh—Red or White. Used for salads. Sow the seeds of this variety in August. Pkt. 5c., oz. 20c., 2 oz. 30c., ¼ lb. 50c., lb. $1.50.

PICKLING ONIONS.

Small Silver Skin Pickling. A standard variety; largely grown for pickles. Pkt. 5c., oz. 20c., 2 oz. 35c., ¼ lb. 60c., lb. $2.25.

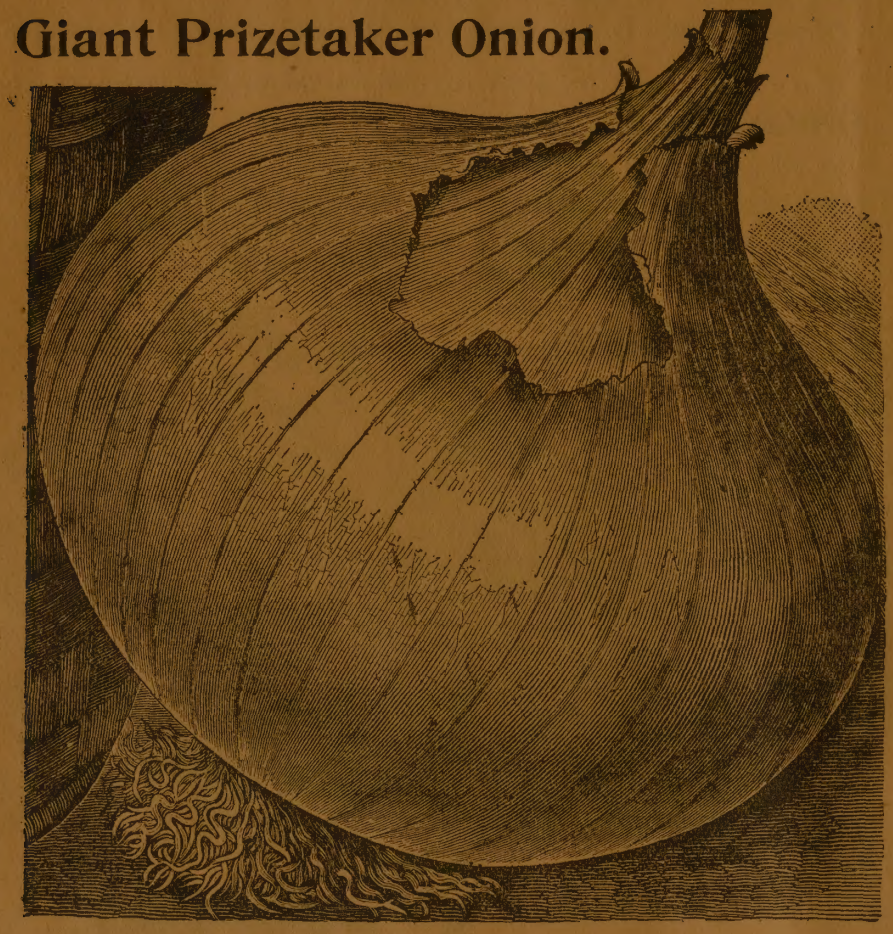
White Barletta Onion. An extra early small, white-skinned variety; flesh pure white; very mild in flavor; excellent for pickling. Pkt. 5c., oz. 25c., 2 oz., 40c., ¼ lb. 75c., lb. $2.50.

Queen. This is another extra early variety; small, flat and mild flavored. Pkt. 5c., oz. 25c., 2 oz. 40c., ¼ lb. 75c., lb. $2.50.

To those requiring Onion Seed in quantity, we will be pleased to quote special prices on application.

ONION—*Continued.*

Giant Prizetaker Onion.



NEAPOLITAN ONION SEEDS.

The following varieties can be grown to an enormous size by sowing in the fall, say from the 1st of August to the 10th of September, and planting out the following spring, or they may be sown in a hot-bed early in the season and transplanted out as soon as the ground is in condition.

Giant Prizetaker. Of a rich straw color. This variety grows to an enormous size. Some of our customers this past season exhibited specimens grown under ordinary cultivation weighing as much as 3 pounds each, and measuring 18 inches in circumference. Globe-shaped, solid, and an excellent keeper; in flavor it is mild and sweet. Pkt. 5c., oz. 20c., 2 oz. 35c., ¼ lb., 60c., lb. $2.00.

Giant White Tripoli. Large and handsome. Pkt. 5c., oz. 20c., 2 oz. 30c., ¼ lb. 50c., lb. $1.75.

Mammoth Silver King. A white-skinned and white-fleshed variety. It matures early. In shape somewhat flat and of an exceedingly mild and delicate flavor. Pkt. 5c., oz. 25c., 2 oz. 40c., ¼ lb. 75c., lb. $2.50.

Giant Rocca. Large globular shape, light brown skin. Pkt. 5c., oz. 20c., 2 oz. 30c., ¼ lb. 50c., lb. $1.75.

ONION SETS.

When wanted in large quantities write for special quotations.

English Potato.....Per qt. 10c.
Top or Button..... " 20c.
Shallots..... " 10c.
Dutch Sets. Yellow..Per qt. 15c.

Dutch Sets. White..Per qt. 20c.
When sets are to be mailed postage must be added at the rate of 10c. per quart within the Dominion of Canada, and 25c. per quart to Newfoundland and the United States.

OKRA. *Gombo*, Fr. *Safran*, Gr.

Plant late in the Spring (after the ground has become warm) in drills two and a-half feet apart; thin out to nine inches in the row. Use the pods when green and tender.

Dwarf Green. Round smooth pods.....Pkt. 5c., oz. 10c., ¼ lb. 25c., lb. 75c.

Hollow Crown Parsnip.

PARSLEY. *Persil*, Fr. *Petersilie*, Gr.

Sow early in the Spring, in drills twelve inches apart; thin out the plants to six inches apart. To have green during the winter, remove plants into a box, and place in a light cellar or cold frame.

Extra Curled. Leaves beautifully curled. Pkt. 5c., oz. 10c., 2 oz. 15c., ¼ lb. 25c., lb. 75c.

Champion Moss Curled. This is the perfection of Parsley. Pkt. 5c., oz. 10c., 2 oz. 15c., ¼ lb. 25c., lb. 75c.

Carter's Fern Leaved. Invaluable for garnishing. Pkt. 5c., oz. 10c., 2 oz. 20c., ¼ lb. 30c., lb. $1.00

PARSNIP. *Panais*, Fr. *Pastinake*, Gr.

Sow as early as the ground will permit, in very rich, loamy soil, in rows fifteen inches apart, and thin to seven inches in the row. The roots are very hardy, and are greatly improved by remaining in the ground through the winter.

Bruce's Improved Hollow Crown. Will be found a decided improvement on the old variety; root finely shaped, and flavor excellent. Pkt. 5c., oz. 10c., 2 oz. 15c., ¼ lb. 20c., lb. 50c.

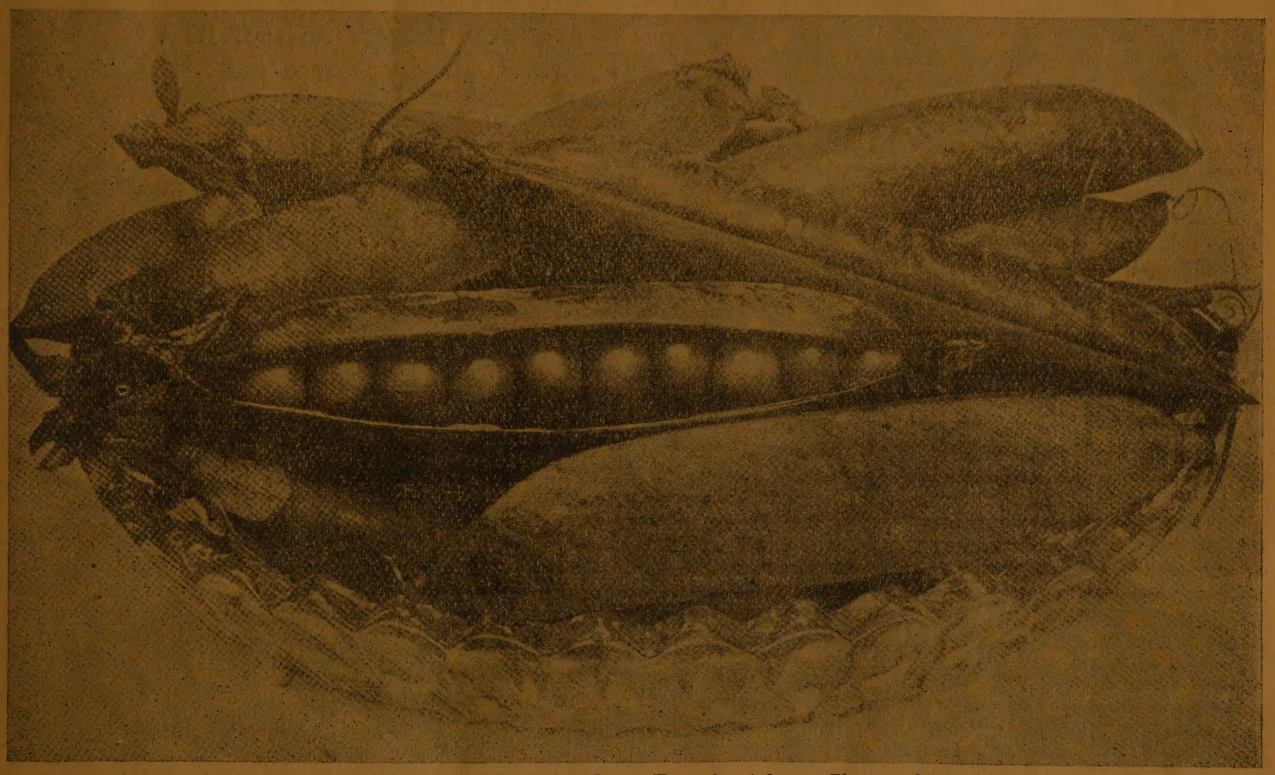
The Student. A well-known variety, of fine flavor. Pkt. 5c., oz. 10c., 2 oz. 15c., ¼ lb. 20c., lb. 50c.

Mr. John White, Humber Bay, writes: "Your Bruce's Paris Golden Yellow Celery was a great success last year; it was very good."

PEAS. *Pois*, Fr. *Erbse*, Gr.

One quart for a row of 75 feet.

The soil best adapted for the Pea is a rich loam, well manured the previous year (use thoroughly decomposed manure if any, immediately before planting). For early crops, sow as early in the spring as the ground can be worked in drills three feet apart, and for a succession every two weeks until the first of July. When they are about two inches high, begin to draw the earth to the stems. Hoe often in dry weather. Peas should be soaked in water before planting, and if the ground be very dry, should be watered in the hills.



New Extra Early Pea—Gradus. (Reproduced from a Photograph).

New Extra Early Pea—Gradus. Earliest of all the sweet wrinkled varieties. This is without doubt the greatest advance achieved in early peas, for while it ripens within a few days of such extra early sorts as Bruce's Conqueror, the pods are of the same size and as well filled as Stratagem, with large peas of the most delicious flavor. **Gradus** is the most distinct pea raised. The vine has heavy stems, with large dark green leaves, and grows three feet in height. It produces uniformly large pods, nearly round, of a deep green color, each pod containing nine or ten peas of true marrow flavor. May be sown and gathered with the first earlies, as it is equally as hardy, and is destined to become the leading extra early pea for both private and commercial use. Pkt. 10c., pint 25c., qt. 40c., 2 qts. 70c., 4 qts. $1.25.

EXTRA EARLY VARIETIES.

When Peas are to be sent by mail, add the postage at the rate of four cents per pint within the Dominion of Canada, and sixteen cents per pint to Newfoundland and the United States.

Bruce's Early Conqueror. This well-known variety surpasses all other peas as to earliness. A prolific cropper bearing large pods; it ripens up with wonderful uniformity, making it the most profitable early pea for market gardeners to grow. Height, 2 ft. Pint 10c., qt. 20c., peck $1.10, bush. $4.00.

Carter's First Crop. A good extra early. Height, 2 ft. Pint 10c., qt. 20c., peck $1.00, bush. $3.50.

Improved Daniel O'Rourke. Height, two ft. Pint 10c., qt. 20c., peck $1.00, bush. $3.50.

Wm. Hurst. Of handsome dwarf growth, the vines are from eight to ten inches high. The scimitar-shaped pods average three inches long, and are well filled with large peas. Quality the very best. Pint 15c., qt. 25c., peck $1.50, bush. $5.00.

American Wonder. This variety is justly entitled to take first position at the head of the list of Extra Early Dwarf Wrinkled Peas, and stands unrivalled in point of productiveness, flavor and quality. Height, ten to twelve inches, with a very branching habit. Pint 15c., qt. 25c., peck $1.50, bush. $5.00.

American Wonder Peas.

New Pea—The C. P. R.

EXTRA EARLY PEAS—*Continued.*

Nott's Excelsior. A splendid extra early, a few days later than the American Wonder, but pods larger; very prolific and of splendid flavor. Height 1 ft. Pint 15c., qt. 25c., peck $1.50, bush. $5.00.

Blue Beauty. An early dwarf, blue variety. The pods are of medium size, well-filled and borne with great profusion. Height, about 20 inches. Pint 15c., qt. 25c., peck $1.25, bush. $4.00.

SECOND EARLY VARIETIES.

Heroine. One of the best large green wrinkled sorts of recent introduction. Growing about 2½ feet high, it bears a profusion of large, pointed pods, many of which contain from 8 to 9 large peas of the finest quality; rich, buttery, marrow-like flavor. It is a second early green wrinkled variety, which is fast coming into general favor on account of its productiveness and general good qualities. A profitable pea for market gardeners. Pint 15c., qt. 25c., peck $1.50, bush. $5.00.

McLean's Little Gem. This Pea is now a well-known standard variety. It is one of the best dwarf early sorts, and of exquisite flavor. Height, 1 ft. Pint 15c., qt. 25c., peck $1.25, bush. $4.00.

Horsford's Market Garden. A wrinkled variety, prolific bearer; pods medium size, numerous and well-filled with peas of a delicious flavor. Pint 15., qt. 25c., peck $1.25, bush. $4.00.

McLean's Blue Peter. A splendid bearer, with large well-filled pods. Height, 1 ft. Pint 15c., qt. 25c., peck $1.25, bush. $4.00.

McLean's Advancer. A dwarf, green wrinkled variety of fine flavor; the best canner. Pint 15c., qt. 25c., peck $1.25, bush. $4.00.

GENERAL CROP.

Champion of England. Good for general crop, very fine flavor. Height, 4 ft. Pint 10c., qt. 20c., peck $1.00, bush. $3.50.

Improved Stratagem. This is one of the best of the many English Peas. It grows to a height of 2 feet, and the plant is literally covered with immense pods, many measuring six inches in length, and frequently containing ten large, fine flavored peas. Pint 15c., qt. 25c., peck $1.50, bush. $5.

Bruce's C.P.R. The best main crop, blue wrinkled marrow pea. It grows about 2 feet high, of a sturdy, branching habit, and it requires to be sown thinly, as the pods are produced from the very bottom of the plant to the top. The pods are large and slightly curved, and filled with peas of a fine deep green color and of the most delicious flavor. We strongly urge all growers to give it a trial. Pint 15c., qt. 25c., peck $1.50, bush. $5.00.

Large White Marrowfat. A very prolific, first-rate variety. Pint 10c., qt. 15c., peck 50c., bush. $1.50.

Black-Eyed Marrowfat. Great bearer, large pods. Pint 10c., qt. 15c., peck 50c., bush. $1.50.

PEPPER. *Piment*, Fr. *Spanischer Pfeffer*, Gr.

Sow early in the spring in a hot-bed, and transplant end of May in rows eighteen inches apart and ten inches in the row, and earth up a little at one or two hoeings.

Cayenne. Pods are small, cone-shaped, coral red when ripe. Pkt. 5c., oz. 30c.

Cherry. The pods or fruit erect, nearly globular, cherry form; of deep, rich, glossy scarlet. Pkt. 5c., oz. 30c.

Chili. Pods pendant, shape conical, about two inches in length; very piquant. Pkt. 5c., oz. 30c.

Golden Dawn. A rich deep yellow pepper, of uniform large size, sweet and mild. Pkt. 5c., oz. 30c.

Improved Bull Nose or Sweet Mountain. A large early variety, sweet and mild. Pkt. 5c., oz. 30c.

Long Red. Pods brilliant red, and three or four inches in length; very productive. Pkt. 5c., oz. 20c.

Long Yellow. Similar to the Long Red in shape and size, excepting in color. Pkt. 5c., oz. 30c.

Mammoth Golden Queen. The largest of the yellow varieties. Pkt. 5c., oz. 30c.

Mammoth Spanish. One of the largest and earliest varieties; flesh is sweet and mild. Pkt. 5c., oz. 30c.

Monstrous or Grossum. A remarkably fine variety, growing to a large size. Pkt. 5c., oz. 40c.

Procopp's Giant. Very large, thick fleshed, scarlet variety. Pkt. 5c., oz. 40c.

Ruby King. Beautiful bright red; fruit very large and mild; one of the best. Pkt. 5c., oz. 40c.

Squash. Skin smooth and glossy; flesh thick, mild and pleasant to the taste. Pkt. 5c., oz. 30c.

Improved Bull Nose Pepper.

PUMPKIN. *Potiron*, Fr. *Kurbis*, Gr.

Plant middle of May in manured hills, eight feet apart, and leave but two or three plants in a hill.

Cheese. Medium size; one of the best for cooking purposes. Pkt. 5c., oz. 10c., 2 oz. 15c., ¼ lb. 25c., lb. 75c.
Large Yellow. Better adapted for feeding purposes than for cooking. Pkt. 5c., ¼ lb. 10c., lb. 25c.
King of Mammoth, or Jumbo. This variety can be grown to an enormous size; flesh fine-grained and of excellent quality. Pkt. 10c., oz. 20c., 2 oz. 30c., ¼ lb. 50c., lb. $1.50.
Red Etampes. Large flat; good for cooking. Pkt. 5c., oz. 20c., 2 oz. 30c., ¼ lb. 50c., lb. $1.50.
Japanese Pie. Crook-necked variety; productive; ripens early; medium size; good keeper. Pkt. 5c., oz. 10c., 2 oz 15c., ¼ lb. 25c., lb. 75c.
Large Tours. A very large variety. Pkt. 5c., oz. 10c., 2 oz. 15c., ¼ lb. 30c., lb. $1.00.

SELECTED SEED POTATOES.

The following varieties may be relied upon as genuine and of fine quality.

Bruce's White Beauty. This excellent Potato still retains the position it has occupied since we introduced it eight years ago. The specialists who give their attention to supplying the market with the first potatoes of the season find in Bruce's Beauty the most desirable variety for this purpose on account of its attractive appearance and the excellence of its table qualities. As the photograph shows it resembles the Beauty of Hebron, but it is earlier and more productive. The skin and flesh are pure white, the tubers are uniform in size and it is a good keeper. As our stock was grown on the farm where this potato was first discovered, its purity is guaranteed, and careful cultivation has added to its original merits.
Extra Early Ohio. A very fine extra early potato of vigorous growth and superior quality. Our stock is very fine.
Burpee's Extra Early. Of good size, oblong in shape, skin smooth, of a creamy white color, shaded with pink; flesh pure white; fine-grained and of the best table quality. Very productive.
Early Puritan. An early variety of handsome oblong shape; skin and flesh pure white. Very productive.
Sir Walter Raleigh (New). The best main crop variety, very productive, white flesh and skin, of uniform large size, smooth with few and shallow eyes and of splendid quality.

PRICES OF ABOVE VARIETIES (subject to market fluctuations), 1 lb. 15c., 5 lbs. 50c. postpaid. Peck 50c. ½ bushel 75c., bushel $1.50, bag $2.00.

Beauty of Hebron, Thorburn, Pearl of Savoy, Empire State, White Elephant and other standard varieties supplied Prices, 1 lb. 15c., 5 lbs. 50c. postpaid. Bulk prices on application. We usually commence shipping about the first of April (weather permitting).

RADISH. *Radis*, Fr. *Rettig*, Gr.

One ounce will sow a row of one hundred feet.

For early crops they should be sown in hot-beds in February or March, and in the open air as soon as the ground can be worked, and at intervals of ten or twelve days for a succession throughout the season. Sow in drills eight or ten inches apart, and thin to a distance of two inches in the drills. The winter varieties should be sown in August, and lifted before severe frost. A warm, sandy loam, made rich and light by some well-rotted manure, will be most likely to produce them brittle and free from worms.

Non Plus Ultra. (Forcing). A wonderfully rapid grower, which is fit for use within three weeks; the root is round and bright scarlet; the flesh tender and delicate; it produces but few leaves. Pkt. 5c., oz. 10c., 2 oz. 15c., ¼ lb. 25c., lb. 75c.

Non Plus Ultra Forcing Radish.

RADISH—*Continued.*

In and Out. (Forcing). Similar in size and shape to the Scarlet Turnip White Tipped, but of smaller top and much quicker growth, coming to maturity in a little over twenty days. A desirable variety. Pkt. 5c., oz. 10c., 2 oz. 15c., ¼ lb. 25c., lb. 75c.

Lily White. (Forcing). A handsome, white, turnip variety, having remarkably few leaves, which are small and closely set, comes to maturity in about twenty days. Skin and flesh pure white, of excellent flavor. Pkt. 5c., oz. 10c., 2 oz. 15c., ¼ lb. 25c., lb. 75c.

Scarlet Olive. (Forcing). The largest of the forcing varieties, of a pure, deep scarlet color, the top being unusually small. This will be found a most profitable variety to grow. Pkt. 5c., oz. 10c., 2 oz. 15c., ¼ lb. 25c., lb. 75c.

Scarlet Globe. (Forcing). Handsome shape; color brilliant red; flesh white and crisp, mild and of fine flavor. Pkt. 5c., oz. 10c., 2 oz. 15c., ¼ lb. 25c., lb. 75c.

Early Deep Scarlet Turnip. Color of the skin a very dark red, white flesh with very small tap root. Pkt. 5c., oz. 10c., 2 oz. 15c., ¼ lb. 25c., lb. 75c.

Scarlet Turnip, White Tipped. A standard market variety. Pkt. 5c., oz. 10c., 2 oz. 15c., ¼ lb. 25c., lb. 75c.

French Breakfast. Oval form, color scarlet, white tipped. Pkt. 5c., oz. 10c., 2 oz. 15c., ¼ lb. 25c. lb. 75c.

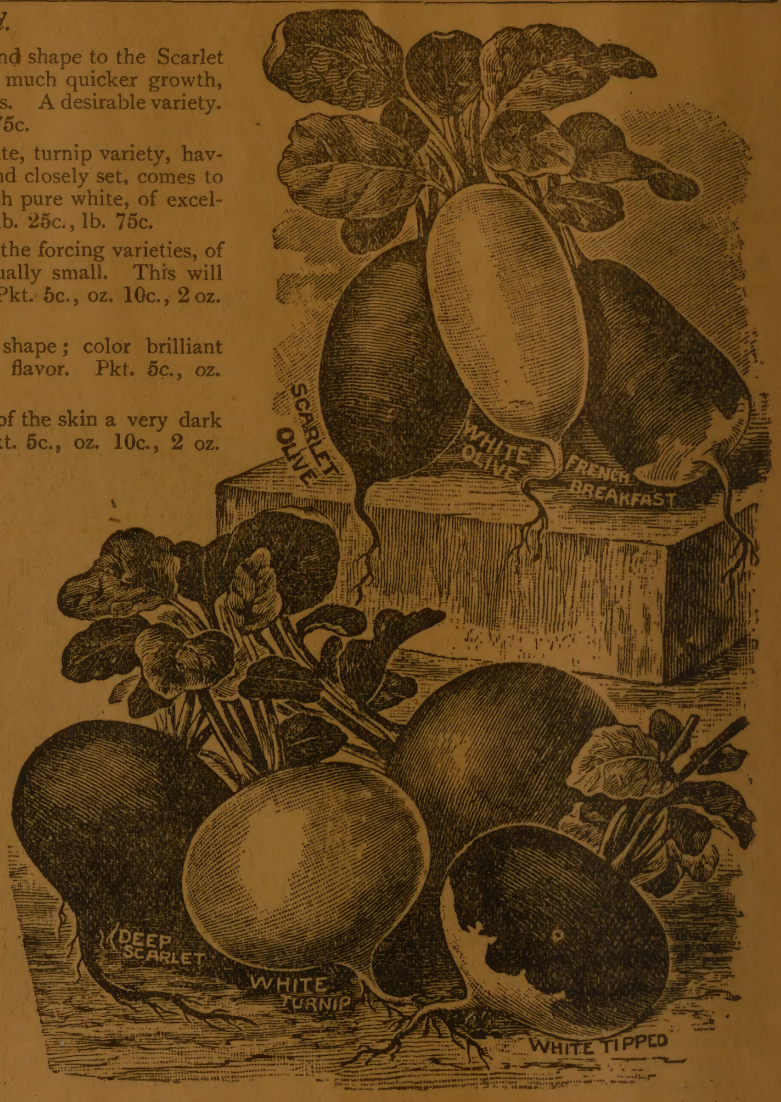
Scarlet Olive-Shaped. Skin fine scarlet, flesh rose color. Pkt. 5c., oz. 10c., 2 oz. 15c., ¼ lb. 25c., lb. 75c.

White Olive-Shaped. Same as above in every respect, except color. Pkt. 5c., oz. 10c., 2 oz. 15c., ¼ lb. 25c., lb. 75c.

White Turnip. Skin and flesh white; some days later than the scarlet. Pkt. 5c., oz. 10c., 2 oz. 15c., ¼ lb. 25c., lb. 75c.

Half Long Deep Scarlet. An early variety, intermediate in shape between the Long Scarlet and the Scarlet Olive-Shaped. Pkt. 5c., oz. 10c. 2 oz. 15c., ¼ lb. 25c., lb. 75c.

Long Brightest Scarlet. This new variety resembles the Old Long Scarlet in shape and size, but in color is very distinct, being of the most vivid scarlet imaginable, the tip of the roots being pure white. Pkt. 5c., oz. 10c., 2 oz. 15c., ¼ lb. 25c., lb. 75c.



Large White Vienna or Lady Finger. This is the best long white variety, of handsome form. Skin and flesh pure white, of very rapid growth. Remarkably crisp, brittle and tender. Pkt. 5c., oz. 10c., 2 oz. 15c., ¼ lb. 25c., lb. 75c.

Chartier. A long radish, of deep crimson color at the top, shading off lighter until at the bottom they become white. The roots attain a large size and remain for a long time tender and crisp. Pkt. 5c., oz. 10c., 2 oz. 15c., ¼ lb. 25c., lb. 75c.

Long Brightest Scarlet Radish.

WINTER RADISHES.

China, Rose Colored. Size medium, flesh firm, rather piquant. The standard winter variety. Pkt. 5c., oz. 10c., 2 oz. 15c., ¼ lb. 25c., lb. 75c

Black Spanish Round. Large size, skin black, of fine quality. Pkt. 5c., oz. 10c., 2 oz. 15c., ¼ lb. 25c., lb. 75c.

Black Spanish Long. Similar to preceding in every respec except shape. Pkt. 5c., oz. 10c., 2 oz. 15c., ¼ lb. 25c., lb. 75c.

California Mammoth or White Russian. A giant white-fleshed fall radish. It grows from 8 to 10 inches in length and about 2½ in diameter. Pkt. 5c., oz. 10c., 2 oz. 15c., ¼ lb. 25c., lb. 75c.

RHUBARB. *Rhubarbe*, Fr. *Rhabarber*, Gr.

Sow early in spring, in rows twelve inches apart; the following spring transplant into rows two feet apart each way; manure the ground to the depth of two feet. In raising Rhubarb from seed, no reliance can be placed on their producing the true varieties; the most expeditious and satisfactory mode to obtain a supply is to procure roots which will produce a moderate supply the first season.

Victoria. Very large, fine for cooking. Pkt. 5c., oz. 20c., 2 oz. 35c., ¼ lb. 60c., lb. $2.00.

Myatt's Linnæus. Very early and tender. Pkt. 5c, oz. 20c., 2 oz. 35c., ¼ lb. 60c., lb. $2.00.

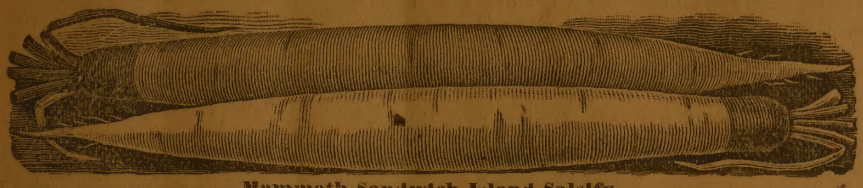
Rhubarb Roots, each 15c., four for 50c., $1.25 per dozen, postpaid.

SEA KALE. *Crambé Maritime*, Fr. *Meerkohl*, Gr.

Sow in drills one foot apart, and thin out to four inches in the row. When one year old transplant into hills eighteen inches apart, and three plants to each hill. On approach of frost cover about two feet thick with dried leaves. Pkt. 5c., oz. 25c., 2 oz. 40c., ¼ lb. 75c., lb. $2.50.

SALSIFY OR VEGETABLE OYSTER. *Salsifis*, Fr. *Haferwurzel*, Gr.

Sow early in spring, in drills 12 inches apart, one inch deep, and thin out to six inches in the row; cultivate similar to Carrots and Parsnips. They are quite hardy, and will stand the winter in the open ground.



Mammoth Sandwich Island Salsify.

Mammoth Sandwich Island. Roots very large and of excellent quality. Pkt. 5c., oz. 15c, 2 oz. 25c., ¼ lb. 40c., lb. $1.25.

Long White. A standard variety. Pkt. 5c., oz. 15c., 2 oz. 25c., ¼ lb. 40c., lb. $1.25.

SPINAGE. *Epinard*, Fr. *Spinat*, Gr.

One ounce will sow a row of 100 feet; 10 to 12 lbs. for an acre.

Sow early in the spring, in drills one foot apart, and thin out to six inches in the row. Rich light soil is requisite to produce large, tender leaves. For winter crop sow end of August; cover lightly with clean straw; soak the seed six hours before sowing.

Monstrous Viroflay. Extra large, round leaved variety, with thick succulent leaves. Pkt. 5c., oz. 10c., 2 oz. 15c., ¼ lb. 20c., lb. 40c.

Catillon Long Standing. A variety with large, thick, succulent leaves, which does not run to seed as quickly as other sorts. One of the best for market gardeners to grow. Pkt. 5c., oz. 10c., 2 oz. 15c., ¼ lb. 20c., lb. 40c.

Fall or Prickly Seeded. Leaves long, thin in texture and erect. Pkt. 5c., oz. 10c., 2 oz. 15c., ¼ lb. 20c., lb. 40c.

New Zealand. Produces leaves of the greatest succulency in the hottest weather. Pkt. 5c., oz. 10c., 2 oz. 20c., ¼ lb. 30c., lb. $1.00.

Monstrous Viroflay Spinage.

SQUASH. *Courge*, Fr. *Speise Kurbis*, Gr.

One ounce for fifty hills.

Any good enriched soil is adapted to the growth of Squashes. They only thrive well in a warm temperature, as all the varieties are tender annuals, and the seeds should not be sown in spring until all danger from the frost is past, and the ground is warm and thoroughly settled. The hills should be made from eight to ten inches in depth, manured well, and the seeds covered about three-fourths of an inch deep. Keep the earth about the plants loose and clean, removing the surplus vines from time to time, allowing not more than three plants in a hill. The custom of cutting or nipping off the leading shoots of the running varieties is now practised to some extent, with the impression that it facilitates the formation of fruitful laterals and the early maturing of the fruit.

Long White Vegetable Marrow Squash.

Early Yellow Scallop Bush. Early, flat, scallop-shaped, yellow and fine grained. Pkt. 5c., oz. 10c., 2 oz. 15c., ¼ lb. 25c., lb. 75c.

Early White Scallop Bush. Similar to the preceding except in color. Pkt. 5c., oz. 10c., 2 oz. 15c., ¼ lb. 25c., lb. 75c.

Early Summer Crookneck. One of the finest of the summer varieties. Pkt. 5c., oz. 10c., 2 oz. 15c., ¼ lb. 25c., lb. 75c.

Vegetable Marrow, Moore's Cream. Skin greenish yellow; flesh white, soft, rich flavor. Pkt. 5c., oz. 10c., 2 oz. 20c., ¼ lb. 30c., lb. $1.00.

Long White English Marrow. A very long, pure white marrow of finest quality, very productive. Pkt. 5c., oz. 15c., 2 oz. 25c., ¼ lb. 40c., lb. $1.25.

Long White Bush Marrow. The fruit of this bush variety is similar in size and color to preceding. Pkt. 5c., oz. 15c., 2 oz. 25c., ¼ lb. 40c., lb. $1.25.

Hubbard. The standard winter squash, color dark green, shell hard, flesh dry, fine-grained and sweet. Excellent keeper. Pkt. 5c., oz. 10c., 2 oz. 15c., ¼ lb. 25c., lb. 75c.

Fordhook. A winter variety; oblong in shape, color a bright yellow; the flesh is dry, sweet and of the finest quality; very productive, remarkable keeper; skin thin, delicate; meat thick; seed cavity small; a most desirable variety. Pkt. 5c., oz. 10c., 2 oz. 15c., ¼ lb. 25c., lb. 75c.

The Faxon. A distinctive feature of this squash is that the ripe squashes vary in color, some being pale yellow while others are green, mottled and striped. The flesh is a deep orange yellow, cavity very small and seeds few. It matures early and can be used as a summer squash as well as for winter; enormously productive, of medium size and the best possible quality. Pkt. 5c., oz. 10c., 2 oz. 15c., ¼ lb. 25c., lb. 75c.

John A. Coulson, Midway, B.C., writes: I can highly recommend your seeds anywhere and everywhere, as I have had every satisfaction.

Hubbard Squash.

SQUASH—*Continued.*

Boston Marrow. A very popular variety, productive and a good keeper. Pkt. 5c., oz. 10c., 2 oz. 15c., ¼ lb. 25c., lb. 75c.
Perfect Gem. Excellent both as a summer and winter variety. Pkt. 5c., oz. 10c., 2 oz. 15c., ¼ lb. 25c., lb. 75c.
Essex Hybrid or Turban. A cross between the Hubbard and Turban, with color, shape and quality of the latter, and dryness and hard shell of the former. The flesh is sweet and thick, and a bright orange color; long keeper. Pkt. 5c., oz. 10c., 2 oz. 15c., ¼ lb. 25c., lb. 75c.
Mammoth. Grows to a great size, often weighing 200 lbs.; good for stock. Pkt. 5c., oz. 15c., 2 oz. 25c., ¼ lb. 40c., lb. $1.25.
Mammoth Whale. (New). Very prolific, flesh solid, of an orange yellow color, and of excellent quality. Specimens have grown 3 feet long and weighed 100 lbs. A splendid winter keeper and well worth a trial. Pkt. 10c., oz. 50c., 2 oz. 75c.

TOMATO. *Tomate*, Fr. *Liebes Apfel*, Gr.

For early crops, sow the seed in a hot-bed in March; when two inches high transplant into pots or into another bed, and attend them carefully until all danger from the frost is past, then plant in hills four feet apart in a sheltered situation fully exposed to the sun, support them with brush to keep the fruit off the ground. This is a vegetable worthy of the most extensive cultivation. Two ounces of seed will produce enough plants for an acre.

Bruce's Dominion Day Tomato. When we first offered this Tomato in 1897, we specially recommended it as the most profitable extra early variety that could be grown for market. It combines with its extreme earliness, large size, magnificent color (a bright red), and delicious flavor. It is not liable to crack, is very free from core, is almost smooth and a great yielder. Its qualification of extreme earliness makes it very valuable, and the largest growers have confirmed our estimate of its value by planting it extensively. *From St. Catharines Star, July 4th, 1899: Mr. James Titterington, of the firm of Titterington & Co., claims to have had the earliest ripe out-door grown tomatoes in this section. They are known as "Dominion Day," and were grown from seed purchased from John A. Bruce & Co., Hamilton. Promptly on time, on July 1st, Jim picked the ripe fruit, and is justly proud of the achievement. There will be plenty of tomatoes ripe in a few days, but "Dominion Day" seems to lead them all; and Jim is generally at the front.* Pkt. 10c., ½ oz. 25c., oz. 40c., 2 oz. 75c., ¼ lb. $1.25, lb. $4.50.

Atlantic Prize. A well-known extra early variety; largely grown for first crop. The fruit is solid and of good quality. Pkt. 5c., oz. 25c., 2 oz. 40c., ¼ lb. 75c., lb. $2.50.
Early Ruby. Extra early. The peculiar open habit of the plant is a distinct feature of this variety, the sun having a better chance to reach and ripen the fruit than in more compact and upright sorts. Pkt. 5c., oz. 25c., 2 oz. 40c., ¼ lb. 75c., lb. $2.50.
Royal Red. Main crop, very productive, of a rich deep red color; it is deservedly popular with canners and catsup makers. Pkt. 5c., oz. 25c., 2 oz. 40c., ¼ lb. 75c., lb. $2.50.
Livingston's Beauty. Large, dark crimson, tough skin; fine market variety. Pkt. 5c., oz. 25c., 2 oz. 40c., ¼ lb. 75c., lb. $2.50.
Matchless A magnificent variety, of a rich cardinal red color, entirely free from core, of large size, very uniform, smooth and not liable to crack. It is early, a splendid shipper, keeps well, and for quality and solidity it is hard to beat. Pkt. 5c., oz. 25c., 2 oz. 40c., ¼ lb. 75c., lb. $2.50.
Dwarf Champion. Quite distinct in foliage and habit of growth; the leaves thick and different from any other; growth compact and upright. The crop ripens very early and evenly, and resembles the Acme in appearance. Pkt 5c., oz. 25c., 2 oz. 40c., ¼ lb. 75c., lb. $2.50.
Imperial. Early, perfectly smooth, solid and of finest quality; in color a deep rich red, tinted with purple. A handsome table variety, highly recommended. Pkt. 5c., oz. 25c., 2 oz. 40c., ¼ lb. 75c., lb. $2.50.
Livingston's Aristocrat This fine new variety in habit and growth and foliage resembles the Dwarf Champion, the color of its fruit, however, is a beautiful rich glossy red. Pkt. 5c., oz. 25c., 2 oz. 40c., ¼ lb. 75c., lb. $2.50.
Honor Bright—Livingston's New Tomato. Its chief peculiarities are its solidity, changes of color the fruit undergoes during development, long-keeping qualities after being picked, and its greenish yellow foliage. The vines are vigorous. The clusters bear three to five large, symmetrical fruits on hard woody stems. The skin is crack-proof. The color of the fruit, when fully ripe, is a rich bright red, but before reaching this stage it undergoes several interesting changes. First it is light green, then an attractive waxy white, then lemon, changing to red. It is especially recommended for shipping. It can be shipped in barrels, like apples, if picked in the early stage of ripening, and will keep from one to four weeks if stored in a cool place. Pkt. 5c., oz. 30c., 2 oz. 50c., ¼ lb. 90c., lb. $3.00.
Mikado. Very large; smooth and solid; skin purplish red; has distinct and fine foliage. Pkt. 5c., oz. 25c., 2 oz. 40c., ¼ lb. 75c., lb. $2.50.

Favorite Tomato.

SMALL FRUITED VARIETIES.

Red and Yellow, Pear-Shaped. (Used for Pickles). Pkt. 5c., oz. 40c.

Yellow Plum. (Used for Pickles.) Pkt. 5c., oz. 40c.

Red and Yellow Cherry. (Used for Pickles.)

Strawberry or Ground Cherry. A very fine variety for preserving.

The Peach. Resembles the peach in size and color. An excellent preserving sort. Pkt. 5c., oz. 40c.

All the above are: Pkt. 5c.. oz. 40c.

We can also supply the following varieties: Canada Victor, Early Conqueror, Scovill's Hybrid, Trophy, Paragon, May Flower, Optimus, Volunteer, Lorillard, Acme and Large Yellow, at 5c. per pkt., oz. 25c., 2 oz. 40c., 4 oz. 75c., lb. $2.50. Plants of the leading varieties supplied. Prices on application.

TURNIP. *Navet*, Fr. *Rube*, Gr.

For early crops sow as early in the spring as the ground can be worked, in drills twelve inches apart, and thin to six or eight inches; for general crops to the middle of August. They succeed best in light, rich soil. Black, loamy soil produces the sweet-flavored ones.

Scarlet Kashmyr. (*New*) A distinct novelty of a deep rich crimson above, shading to a soft crimson-rose below, and of excellent flavor. It is an extra early, strap-leaved variety, with large, smooth, white-fleshed roots, of good keeping quality; smooth, thin, silky skin. Pkt. 5c., oz. 10c., 2 oz 20c., ¼ lb. 30c., lb. $1.00.

Nimble Dick. Red Top Strap Leaf.

TOMATOES—*Continued.*

Livingston's Perfection. A well-known early variety, which is more extensively grown for canning purposes than any other Tomato; blood red color, perfectly smooth; ripens uniformly, and is wonderfully productive. Pkt. 5c., oz. 25c., 2 oz. 40c., ¼ lb. 75c., lb. $2.50.

Livingston's Favorite. Like the preceding, it is a popular canning variety of a fine dark red color. It ripens evenly, is very prolific, good flavor, flesh solid, and bears shipping long distances. Pkt. 5c., oz. 25c., 2 oz. 40c., ¼ lb. 75c., lb. $2.50.

Ignotum. Very early and prolific; color fine deep red; fruit smooth, heavy and solid, and of delicious flavor. Pkt. 5c., oz. 25c., 2 oz. 40c., ¼ lb. 75c., lb. $2 50.

The Stone. Large, bright scarlet; smooth and solid; ripens up to the stem without a crack; an excellent main crop variety. Pkt. 5c., oz. 25c., 2 oz. 40c., ¼ lb. 75c., lb. $2.50.

Golden Queen. Handsome, round, early and productive. Pkt. 5c., oz. 30c., 2 oz. 50c., ¼ lb. 90c., lb. $3.00.

Ponderosa. This monster variety is smooth, of dark crimson color; all solid meat and fine flavor. Specimens have weighed 2 lbs. each. Pkt. 5c., oz. 40c., 2 oz. 75c., ¼ lb. $1.25, lb. $4.50.

Ignotum Tomato.

Early Nimble Dick. The earliest and most delicious table Turnip in existence; bulbs medium size, flat; color pure white. Pkt. 5c., oz. 10c., 2 oz. 15c., ¼ lb. 20c., lb. 50c.

Early Flat White Dutch. Size medium, of quick growth, juicy, excellent quality. Pkt. 5c., oz. 10c., 2 oz. 15c., ¼ lb. 20c., lb. 40c.

Purple Top Strap Leaf. Flesh fine-grained, rich and buttery flavored. Pkt. 5c., oz. 10c., 2 oz. 15c., ¼ lb. 20c., lb. 40c.

Bruce's Golden Ball. Skin bright yellow; flesh firm, sweet and well flavored. Pkt. 5c., oz. 10c., 2 oz. 15c., ¼ lb. 20c., lb. 50c.

Early White Stone. A very fine variety. Pkt. 5c., oz. 10c., 2 oz. 15c., ¼ lb. 20c., lb. 50c.

Laing's Improved Purple Top Swede. An excellent Turnip for rich, free soils, very handsome, with a peculiar leaf and small top. Pkt. 5c., ¼ lb. 10c., lb. 30c.

White Swede. Flesh pure white, of extraordinary solidity and well flavored. Pkt. 5c., ¼ lb. 10c., lb. 25c.

Sweet Basil. Sage. Sweet Marjoram. Summer Savory. Thyme.

POT, SWEET AND MEDICINAL HERBS.

IN PACKETS AT FIVE CENTS EACH.

	Per oz.
Angelica	15
Anise	15
Balm	20
Basil, Sweet	15
Basil, Bush	15
Borage	20
Belladona	50
Caraway	10
Castor Oil Plant	20
Catnip	60
Coriander	10
Dill	15
Fennel, Sweet	15
Fenugreek	15
Horehound	15
Hyssop	20
Lavender	15
Marjoram, Sweet	15
Marjoram, Pot	50
Pot Marigold	20
Rosemary	50
Rue	20
Saffron	15
Sage	15
Savory, Summer	15
Savory, Winter	20
Thyme	20
Wormwood	20

TREE AND HEDGE SEEDS.

Sow the seed moderately thick in the spring, just as soon as the ground is in good working condition, in beds three feet wide; then draw the soil with the back of the rake from the centre of the bed to a uniform depth of two inches. Keep the beds free from weeds, and when the seeds begin to germinate, lightly cover the bed with pine boughs to shade the young plants from the sun. When all are up, the boughs should be gradually removed in order to harden off the young plants; during the first winter cover the beds with pine boughs to protect the young plants from the snow and sun. Let the plants remain in the beds from two to three years, and then transplant into rows two and a-half feet apart, leaving six to nine inches between each plant. Keep the ground clean and mellow, and when the plants are strong enough remove them to where they are intended to remain.

Norway Spruce. We offer a large stock of transplanted stocky plants of the following sizes: 12 to 15 inches, $6.00 per 100; 18 to 24 inches, $10.00 per 100; 24 to 36 inches, $15.00 per 100; suitable for hedges and wind-breaks. Orders are requested to be sent in by the 1st of May.

Norway Spruce	oz.	15c.,	lb.	$1 25
Scotch Fir	"	20c.,	"	1 50
Silver Fir	"	20c.,	"	1 50
Juniper, Virginian	"	25c.,	"	2 00
Sugar Maple	"	20c.,	"	1 50
European Larch	"	25c.,	"	2 00
Austrian Fir	"	20c.,	"	1 50
Arbor Vitæ	"	25c.,	"	2 00
Hemlock Spruce	"	50c.,	"	6 00
Mulberry, White	"	25c.,	"	2 50
Black Walnuts	bush.,			1 00

Any of the above can be supplied at 10c. per packet.

SEEDS FOR HEDGES.

Sow the following in the fall, if convenient. If sown in the spring, soak the seeds, in tepid milk or water, forty-eight hours before sowing, which will assist the germination of the seeds. Sow in drills two feet apart, and when two years old transplant into rows two and a-half feet apart and nine to twelve inches between each plant. Hoe frequently and keep free of weeds, and when two feet high transplant them to where you want them to remain.

Acacia, Three Thorned or Honey Locust. *(Gleditschia triacanthos).* Very hardy and effectual against man or beast; admirably adapted for the prairies	oz.	10c.,	lb.	$0 50
Buckthorn. *(Ramnus Catharticus).* Clean seed	"	20c.,	"	1 50
Yellow Locust. *(Robinia pseudo acacia).*	"	10c.,	"	75
Osage Orange. *(Maclura Aurantiaca)*	"	10c.,	"	75
Berberry. *(Berberis Vulgaris).* Very hardy, producing a fine compact hedge, also valuable for its fruit, which is excellent for preserving	"	20c.,	"	1 50

FRUIT SEEDS.

Apple Seeds	oz.	10c.,	lb.	$0 50
Pear Seeds	"	15c.,	"	1 50
Quince Seeds	"	20c.,	"	2 00
Peach Seeds	"			30
Plum Stones	"			30
Cherry Pits, Mahaleb			lb.	$0 50
Currants, Red, White and Black			pkt.	10
Gooseberry, Red, Yellow and Green			"	25
Raspberry, Red and White			"	25
Strawberry, choice kind			"	25

BIRD SEEDS.

Carefully cleaned, fresh and free from all impurities. If wanted by mail add 4 cents per lb. Special prices in quantity.

Canary	lb.	$0 07	
Maw	¼ lb. 10c.,	"	25
Rape, German Sweet		"	7
Hemp		"	7
Millet		"	5
Sunflower		"	10
Mixed Bird Seed		"	7
Mixed Parrot Seed		"	10
Bitters	bottle,	$0 25	
Prepared Mocking Bird Food		"	25
" Nestling Food	box,		25
" Fish Food		"	15
Mite Exterminator		"	25
Moulting Pepper		"	25
Manna or Bird Bread	large cake,		10
Cuttle Fish Bone	oz. 5c.,	lb.	50

Bird Sand, 1½ lb. pkg. 5c., 3 lb. pkg. 10c.

Tree, Hedge, Fruit, and Bird Seeds going by mail require postage to be added.

AGRICULTURAL SEEDS.

IN SUBMITTING our List of Farm Seeds we take pleasure in stating that our extensive stocks have been secured in excellent condition; they have, as usual, had the most careful supervision by our growers, from the time of planting until maturity, and may be depended upon to give satisfaction, when due allowance is made for imperfections of weather, soil and cultivation. The large increase annually in our trade with the farmers in all portions of the Dominion is an evidence of the superiority of our stocks, and of the personal attention we give to the interests of those who have, without intermission, patronized us so liberally.

☞ *Sugar Beet, Field Carrot, Mangel, Rape and Field Turnip to be forwarded by mail require postage to be added to Catalogue prices at the rate of* 4c. *per pound to all points in Canada, and* 16c. *per pound to Newfoundland and the United States.*

SUGAR BEET.

The demand for Sugar Beet Seed has more than doubled the past two years. Dairymen find when feeding to their cows, a marked increase in the flow of milk and a richness in the butter which are not so apparant when using other cattle foods. Hogs may also be fed to advantage on Sugar Beets. Sow from the middle of April to the first of June, in drills two feet apart, then thin them to nine inches in the row. Five pounds of seed per acre.

Danish Improved. (New). Remarkably productive in rich soil under good cultivation, nearly approaching in yield the standard varieties of Mangel Wurzel. Roots clean, well shaped, uniform in size, and of fine color. ¼ lb. 15c., lb. 50c.

Giant White Half Sugar. } Two new varieties remarkable for their productiveness.
" Red " " } They are very large, of fine quality and splendid keepers..... ¼ lb. 15c., lb. 50c.

White Silesian. (Lane's Improved). Grows to a large size..... ¼ lb. 10c., lb. 25c.

Red Top Silesian. Large and productive..... ¼ lb. 10c., lb. 25c.

ABOVE VARIETIES IN 5 LB. LOTS, 5 CENTS PER LB. LESS.

Sugar Beet.

FIELD CARROT.

This is an indispensable root for the farm, and is deserving of more general cultivation. They succeed best in sandy soils; will also do well on strong clay loams, when perfectly pulverized, well drained and free from weeds. Well managed, there is no crop pays better, and most farmers would find an acre or so desirable. Sow from the middle of April to the first of June, in drills eighteen to twenty inches apart, and when about three inches high, thin to four inches between each plant. Sow three pounds of seed to the acre.

Bruce's Mammoth Intermediate White Carrot.

Large White Vosges. The root is large and very thick at the shoulder, much shorter than the White Belgian and thus more easily harvested; skin and flesh pure white; a wonderful cropper and of excellent feeding quality. ¼ lb. 15c., lb. 40c.

Bruce's Mammoth Intermediate Smooth White. This grand new, half-long Carrot is somewhat longer than the preceding and more uniform in shape. The flesh is pure white, solid, of the finest quality. Very productive and easily harvested; a good keeper. This Carrot is sold under numerous aliases; our name for it is simply descriptive of the appearance of the best of all Field Carrots. ¼ lb. 15c., lb. 45c.

White Belgian. (Improved). A well-known variety, of fine quality; most profitable for field culture. ¼ lb. 15c., lb. 35c.

Long Orange Belgian. Superior in quality and a heavy cropper. ¼ lb. 20c., lb. 50c.

Intermediate Scarlet. A valuable variety for shallow soils. ¼ lb. 20c., lb. 50c.

Long Orange. Large, fine quality, good for general crop. ¼ lb. 20c., lb. 50c.

Altringham. Long, deep red color, excellent. ¼ lb. 20c., lb. 50c.

When ordering Sugar Beet, Carrot, Mangel, Rape and Turnip to go by mail add postage.

ABOVE VARIETIES IN 5 LB. LOTS, 5 CENTS PER LB. LESS.

MANGEL WURZEL.—CHOICE SELECTED STOCKS.

LARGE QUANTITIES AT SPECIAL RATES.

Bruce's Gate Post Mammoth Long Red Mangel.

This is one of the most important crops cultivated for consumption on the farm, and in the vicinity of large towns is found to be a profitable crop for marketing. It is of easy culture. The weight of roots grown exceeds that of any other crop, and properly supplied to stock is perhaps the most valuable and nutritious. One of its best properties consists in its adaptation for long and safe storage, by which it is improved, as roots securely put into pits or cool cellars in October will come out in the early part of May containing more nutritive qualities than when put in, forming an admirable substitute for grass in a late season.

The heaviest crops of this excellent root are invariably grown upon a land which has been thoroughly cultivated and liberally manured.

The seeds should be drilled to secure a uniform depth, at the rate of five to six lbs. per acre. Sow from the middle of April to the first of June, in drill two-and-a-half to three feet apart, and thin to sixteen or twenty inches in rows. The intermediate, from its peculiar shape, may be allowed to stand closer than other varieties. For feeding milch cattle it stands unrivalled. An average crop is thirty tons, and on some of the sewage farms in England the enormous yield of eighty to ninety tons per acre has been grown.

MANGEL WURZEL—LONG VARIETIES.—Section I.

The following are the best adapted for deep, rich, loamy soil:

Bruce's Gate Post. A select stock of the Mammoth Long Red. Roots remarkably large, smooth, and perfect in shape. The most profitable of the Long Red varieties. Our stock is the equal of anything offered. *We recommend this splendid variety with the greatest confidence.* ¼ lb. 10c., lb. 25c.; in 5 lb. lots, per lb. 23c.

Mammoth Long Red. A well-known and a popular strain. ¼ lb. 10c., lb. 25c.; in 5 lb. lots, per lb. 23c.

Long Red. Medium size, of good quality. ¼ lb. 10c., lb. 22c.; in 5 lb. lots, per lb. 20c.

Long Yellow. A good variety, producing large roots. ¼ lb. 10c., lb. 22c.; in 5 lb. lots, per lb. 20c.

GLOBE AND INTERMEDIATE SHAPED VARIETIES. Section II.

Will succeed equally well with the above on light soils, but from the peculiar shape of the bulb may be grown on strong and even hard land with advantage, where the former would fail to yield a satisfactory crop.

Golden Tankard. Flesh golden yellow. This Mangel contains more saccharine and a higher proportion of flesh forming constitutents than any other Mangel. ¼ lb. 10c., lb. 25c.; in 5 lb. lots, per lb. 23c.

Bruce's Giant Yellow Intermediate. This is a new and distinct strain of the intermediate type; the enormous size of the roots, their handsome shape, bright, smooth, yellow skin, and the flesh of the most solid texture and nutritious quality, makes it the most valuable introduction of recent years. Since its introduction in 1891, by ourselves, the sales of this grand Mangel have risen by leaps and bounds, *and we have no hesitation in recommeuding it.* Next to our Gate Post Long Red we sell far more of this variety than any other. ¼ lb. 10c., lb. 25c.; in 5 lb. lots, per lb. 23c.

Yellow Intermediate. Large, solid, good keeper. ¼ lb. 10c., lb. 25c.; in 5 lb. lots, per lb. 23c.

Red Fleshed Tankard. In shape it resembles the Golden Tankard; is large, solid and nutritious. ¼ lb. 10c., lb. 25c.; in 5 lb. lots, per lb. 23c.

Mammoth Red Intermediate. Yields enormously. ¼ lb. 10c., lb. 25c.; in 5 lb. lots, per lb. 23c.

Yellow Globe. Very large and productive. ¼ lb. 10c., lb. 22c.; in 5 lb. lots, per lb. 20c.

Warden Orange Globe. Similar to preceding, darker in color; fine quality; a grand keeper. ¼ lb. 10c., lb. 22c.; in 5 lb. lots, per lb. 20c.

Red Globe. Large and fine. ¼ lb. 10c., lb. 25c.; in 5 lb. lots, per lb. 23c.

Mr. John H. Hays, Seaforth, writes: "Bought your Gate Post and Giant Yellow Mangels two years ago for the first time, and found them the best we ever got, and want to try them again. Enclosed is order."

Bruce's Giant Yellow Intermediate Mangel.

TURNIP SEEDS.

LARGE QUANTITIES AT SPECIAL PRICES.

The Turnip is now one of the most important crops grown on the farm, and its success, no doubt, depends greatly on the preparation of the soil and the judicious application of manure, but not less so on the quality of the seed and the care exercised in the selection of the bulbs from which the seed is saved. Impressed with this fact, we have for many years paid special attention to the growth of Turnip Seed, and the increased demand we experience each successive season, as well as the gratifying accounts we receive from all parts of the Dominion as to the excellence of our Turnip Seed, affords us satisfactory evidence of the superiority of our stock, and the success that has attended our efforts. Sow in drills; 2 pounds to the acre.

SWEDE TURNIPS.

Bruce's Selected Purple Top. This fine variety has been carefully selected and improved so as to obtain a globular shaped root, free from the least tendency to coarseness; it is particularly adapted to the richer description of soils, and for long keeping qualities cannot be surpasssd. ¼ lb. 10c., lb. 20c.; in 5 lb lots, per lb. 18c.

Improved Hall's Westbury. A well-known standard purple top variety; handsome appearance, large and solid, a grand keeper, and one of the best shipping Turnips grown. ¼ lb. 10c., lb. 20c.; in 5 lb. lots, per lb. 18c.

Carter's Elephant. A handsome tankard-shaped variety, which matures early. The upper part of the root is dark purplish crimson, the flesh deep yellow, solid and nutritious, producing more weight to the acre than any other variety. ¼ lb. 10c., lb. 25c.; in 5 lb. lots, per lb. 22c.

Carter's Imperial Purple Top. One of the hardiest and best keeping Swedes. ¼ lb. 10c., lb. 20c.; in 5 lb. lots, per lb. 18c.

Marquis of Lorne Purple Top. This is a highly improved variety of the East Lothian type, produces a large weight per acre, and is very hardy. ¼ lb. 10c., lb. 20c.; in 5 lb. lots, per lb. 18c.

Royal Norfolk Purple Top. A heavy cropper and a good keeper. We consider this variety one of the best on our list for strong, heavy land. ¼ lb. 10c., lb. 20c,; in 5 lb. lots, per lb. 18c.

Drummond's Purple Top. A selected Scotch variety of great excellence; globular in shape, large, solid and of finest quality. ¼ lb. 10c., lb. 20c.; in 5 lb. lots, per lb. 18c.

Skirving's Improved Purple Top. This is a most robust grower and heavy cropper, but runs to neck on rich ground. ¼ lb. 10c., lb. 20c.; in 5 lb. lots, per lb. 18c.

Sutton's Champion. A purple topped variety, recommended for size and fine quality. ¼ lb. 10c., lb. 20c.; in 5 lb. lots, per lb. 18c.

Sharpe's Improved Purple Top. A very heavy cropper, with small top, thin neck. ¼ lb. 10c., lb. 20c.; in 5 lb. lots, per lb. 18c.

Bangholm Purple Top. A very large and handsome variety. ¼ lb. 10c, lb. 20c.; in 5 lb. lots, per lb. 18c.

Hartley's Bronze Top. Small neck and single tap root; very rich in quality and a first-rate keeper. ¼ lb. 10c., lb. 25c.; in 5 lb. lots, per lb. 22c.

Fettercairn Green Top. Will keep sound longer than any other variety; fine quality. ¼ lb. 10c., lb. 25c.; in 5 lb. lots, per lb. 22c.

White Swede. Remarkable for its nutritious properties, hardiness and long keeping. ¼ lb. 10c., lb. 25c.; in 5 lb. lots, per lb. 22c.

YELLOW FLESHED TURNIPS.

May be sown from the first week in July to the middle of August, either after it is considered too late for Swedes or on land of not sufficiently good quality to produce Swedes, or when there is an absence of a supply of manure.

Green Top Yellow Aberdeen. A hardy and excellent variety. ¼ lb. 10c., lb. 25c.; in 5 lb. lots, per lb. 22c.

Purple Top Yellow Aberdeen. Similar in quality to above. ¼ lb. 10c., lb. 25c.; in 5 lb. lots, per lb. 22c.

WHITE FLESHED TURNIPS.

The varieties embraced in this class may be sown still later than the preceding, say from the middle of July to the end of August.

White Globe. Grows very large; is early and of fine quality. ¼ lb. 10c., lb. 25c.; in 5 lb. lots, per lb. 20c.

White Stone or Stubble. A well-known and excellent variety. ¼ lb. 15c., lb. 40c; in 5 lb. lots, per lb. 35c.

Grey Stone. Grows to an immense size; is early, hardy and of excellent quality. ¼ lb. 10c., lb. 25c.; in 5 lb. lots, per lb. 20c.

Improved Purple Top Mammoth. Grows to a very large size, and keeps well. ¼ lb. 10c., lb. 25c.; in 5 lb. lots, per lb. 20c.

Red Top Strapleaf. A rapid grower; valuable variety for late sowing. ¼ lb. 15c-, lb. 30c.; in 5 lb. lots, per lb. 25c.

BARLEY.

Success. A new and distinct variety, quite beardless, and fully a week or ten days earlier than any other Barley. Height same as Common, but straw better, and stands up on any land; a good yielder; six-rowed....Peck 25c., bushel 75c.

Improved 6-rowed..... " 20c., " 60c.
Mandscheuri..... " 25c., " 75c.
Prize Prolific, 2-rowed..... " 25c., " 75c.
Duckbill..... " 25c., " 75c.

ABOVE VARIETIES 10c. PER LB. POSTPAID.
PRICES SUBJECT TO MARKET FLUCTUATIONS.

New Barley Success.

BEANS.—FIELD.

Where the soil is suitable, beans will be found a most profitable crop to grow, and at the same time there is nothing better for keeping the ground clean. We offer the following varieties:

Medium White or Navy.....Peck 50c., bushel $1 75
White Pea..... " 50c., " 1 75
White Marrowfat..... " 60c., " 2 25
California Yellow..... " 50c., " 1 75

ABOVE VARIETIES 10c. PER LB. POSTPAID.
PRICES SUBJECT TO MARKET FLUCTUATIONS.

BUCKWHEAT.

Silver Hull.....Peck 20c., bushel 75c.
Japanese..... " 20c., " 75c.
Common..... " 20c., " 75c.

ABOVE VARIETIES 10c. PER LB. POSTPAID.
PRICES SUBJECT TO MARKET FLUCTUATIONS.

BROOM CORN.

Succeeds in good deep soil; it is very sensitive to cold.

Long Bush Evergreen.....Lb. 15c., 10 lbs. $1.00.

If required by mail, add postage 4c. per lb.

CORN—FIELD VARIETIES.

Compton's Early 12-rowed Yellow. From its earliness and productiveness, this variety has given great satisfaction; it is also highly recommended as a fodder corn. Shelled, peck 30c., bushel $1.00.

Mammoth 8-rowed Yellow. Extra long, handsome ears, cob small, grain of the largest size, and very productive. We highly recommend it. Shelled, peck 35c., bushel $1.25.

Angel of Midnight. This is an extra early 8-rowed Yellow Flint variety; the grains are very large and compactly set on a very small cob. Shelled, peck 30c., bushel $1.00.

Early 8-rowed Yellow Flint. A well-known variety. Shelled, peck 30c., bushel $1.00.

Angel of Midnight Corn.

Early White Flint, 8-rowed. A very profitable variety. Shelled, peck 30c., bushel $1.00.

Longfellow. A most desirable 8-rowed Yellow Flint variety. Shelled, peck 30c., bushel $1.00.

Kaffir Corn. A non-saccharine sorghum fodder plant. It grows from 5 to 6 feet high, stocky and erect with wide foliage, and the quality common to all sorghums, of resisting drought. Sow in drills, five pounds of seed to the acre, and cultivate the same as common corn; or broadcast half bushel to the acre. Lb. 10c., 5 lbs. 25c., 100 lbs. $3.00. If required by mail, add postage 4c. per lb.

CORN—For Fodder and Ensilage Purposes.

Our list of Corns embraces all the varieties that careful experiments have demonstrated to be the most valuable for cutting for green fodder, and for use in the Silo for winter feeding. Dairying has become such an important industry in Canada, that any new introduction that tends to increase the products of the cow is sure to attract attention, and for this reason dairymen are close observers of the varieties that produce the best results. For cutting green we believe the Evergreen Sweet Corn will be found the most valuable on account of its richness, while the Dent varieties are better adapted for the Silo as they are less liable to become sour. **The Corn we offer has been specially grown for seed and the germination carefully tested.**

Mammoth Red Cob Ensilage. A well-known variety of great productiveness and most nutritous quality. Per bushel, shelled, 60c.

Mammoth White Cob Ensilage. Similar to the preceding in every respect. Per bushel, shelled, 55c.

Red or Yellow Western Horse Tooth. Per bushel, shelled, 55c.

New White Cap Yellow Dent. Expert Corn growers pronounce it a perfect field corn, as to yield, size of ear, color, size of cob, and growth of fodder. It matures in 90 to 95 days. No corn yields as well on poor, thin land nor stands the drought as well. Per bushel, shelled, 75c.

CORN—For Fodder and Ensilage Purposes—*Continued.*

Pride of North or Early Golden Dent. A very early variety, ripening with the Flint sorts; the ears are large and the stalks are small with fine broad leaves. Per bushel, shelled, 75c.

Improved Leaming. A good variety for withstanding drought by reason of its earliness in maturing, strong and vigorous growth, and its stocky, leafy nature which enables it to stand until ripe. Per bushel, shelled, 75c.

Early Mastadon. This Early Dent variety has the largest number of rows on cobs and the longest grains of any corn so far originated. A strong and vigorous grower. Per bushel, shelled, 75c.

Evergreen Sweet Fodder Corn. This is the sweetest and most nutritious of all the fodder varieties, and will be found most valuable for cutting and using as green fodder. Per measured bushel, shelled, $1.50.

Sanford. The best of all the White Flint varieties; it is very early, has abundance of leaves, and is suitable alike for green fodder or ensilage purposes; we highly recommend it. Per bushel, shelled, 75c.

Cuban Giant. A splendid fodder or ensilage corn for Canada. It outyields the Red Cob, and is 10 days earlier; the fodder grows on the stalks in great quantities, and is of the finest flavor, almost as sweet as sugar corn. The grains are pure white, large, broad, long and of great vitality. Per bushel, shelled, 75c.

Cloud's Early Yellow Dent. Early, very prolific, strong and vigorous, growing from 8 to 10 feet high, producing large, handsome ears, with unusually deep grains. Per bushel, shelled, 75c.

Thoroughbred White Flint. Of spreading habit; not more than one kernel should be planted in a hill. Its great suckering habit, breadth of blade and smallness of stalk, recommend it as fodder plant, while for ensilage purposes it is most valuable. Per bushel, shelled, 75c.

Early Butler Dent. The fodder of this new sort grows up strong and rank. It roots deeply and withstands drought. Ears of good size. Matures in 90 to 100 days. Per bushel, shelled, 75c.

Wisconsin White Dent. One of the best for fodder or ensilage. Early, of strong and vigorous growth. Ears large, very productive. Per bushel, shelled, 75c.

Iowa Gold Mine. Ripens only a few days later than Pride of the North, ears of good size, color golden yellow, grain very deep, cob small. Splendid ensilage variety. Per bushel, shelled, 75c.

CLOVER AND GRASS SEEDS.

The large increase in our home and foreign trade made it imperative for us to introduce into our premises the most modern machinery, which is run by electric power, and we have now the perfection of appliances for turning out superior samples of Seed Grain, Clovers and Grass Seeds. Increased sales and the complimentary references to the quality of our shipments has been ample compensation for our expenditure in this department; and our long connection with the best growers in the seed producing districts gives us exceptional advantages in securing the best samples offered.

CLOVER SEEDS.

Few seeds vary so much in quality as Clovers, and it is of the utmost importance to the Agriculturist to procure really good seed, clean and free from weeds, and though such samples necessarily command higher prices than lower grades, we invariably send out the very best we can procure, unless otherwise ordered. Fine samples, however, sow further, are cheaper, and more satisfactory in the end.

Clover Seeds being subject to constant variations, prices will be ruled by the Market. Special prices by the peck and bushel.

Common Red. A well-known variety. Per lb. 15c.

Mammoth Red or Pea Vine. Valuable for ploughing under for manure. Per lb. 15c.

Yellow or Trefoil. Valuable for pasture. Per lb. 15c.

White Dutch. Highly esteemed for permanent purposes. Per lb. 20c.
" " Extra; selected for lawns. Per lb. 25c.

Lucerne, French, Alfalfa or Chilian. This is an invaluable and certain crop as green food for horses and cattle, and one of the best forage plants for withstanding drought. It should be sown from the middle of April to the middle of May, in drills twelve inches apart, and may be cut three or four times a year. It thrives upon any soil where drainage is good, and as the roots penetrate the soil to a great depth, reaching the moisture, it continues green in the driest weather. Sow 15 or 20 pounds to the acre. Per lb. 15c.

Lucerne Clover.

Crimson Clover.

Bokhara. (*Melilotus Alba*). A very vigorous growing variety; blooms early in August; about 2 feet high. Sow in Spring. The flowers are white and very sweet scented, very valuable for bees. Per lb. 25c.

Alsike. (*Trifolium Hybriaum*). Excellent for low lands. Per lb. 20c.

Crimson or Scarlet Clover. (*Trifolium Incarnatum*). Is an annual. The great mission of **Crimson Clover** is to furnish an abundance of most nutritive forage at seasons when our pastures are dead. It is the source of an unfailing supply of manure—in fact, *it solves the problem of cheap manuring*. Improves poor lands and restores to fertility those that have been worn down by excessive cropping. **Crimson Clover** grows at all times except when the ground is frozen. May be sown in spring, summer and fall. Splendid for reseeding Red Clover that has been winter killed. This Clover is extensively grown in the United States, and we give the latest methods adopted there for its cultivation, etc. Sow 12 to 15 lbs. broadcast per acre, cover light. All soils and situations seem to suit it. Try it on your poorest. If sown early it makes superior fall and spring grazing, and afterwards a good crop to mow. It is about 15 days earlier than Red Clover, and as a fertilizer, one acre represents as much value as twenty tons of stable manure. Per lb. 15c.

Clovers and Grass Seeds going by mail require 4c. per lb. additional for postage, to all Canadian points, and 16c. per lb. to the United States. Prices of Field and Ensilage Corns are not guaranteed but are subject to market fluctuations.

GRASS SEEDS.

Greater attention is being given yearly to the improvement of pastures, and it has been found that where a mixture of permanent grasses has been added to Clover and Timothy, which have heretofore been almost the only seeds used, a better heat resisting sod and a richer and more lasting pasturage has been secured, and the result is of the utmost importance in our dry, hot climate. Many of the grasses contained in our list will be found invaluable for this purpose.

PRICES SUBJECT TO MARKET FLUCTUATIONS. SPECIAL PRICES BY THE BUSHEL.

Red Top Grass. *(Agrostis Vulgaris).* A valuable native permanent grass, growing in almost any soil, moist or dry, and standing well our hot climate. Sow 2 bushels to the acre; weight per bush., 14 lbs. Lb. 10c., Fancy, for lawns, 20c. lb.

Bromus Inermis. Hungarian Forage Grass. A hardy, strong growing, deeply rooted species, which has proved highly suitable for Manitoba and the North West. Sow 20 to 25 pounds per acre. Per lb. 17c.

Mr. Angus McKay, Government Experimental Farm, Indian Head, says: "This grass has been grown on the Experimental Farm for the past seven years and never failed to give good returns of hay and pasture."

Sweet Vernal Grass. *(Anthoxanthum Odoratum). (Perennial.)* For a pasture mixture it is valuable on account of its vernal growth, and for the fragrant odors which the leaves omit when dry; sow 35 lbs. to the acre. Per lb. 60c.

Meadow Fescue. *(Festuca Pratensis).* A highly valuable species for permanent grass lands; it does not, however, attain its full productive power till the second or third year, when it exceeds most other sorts in the quality of its productiveness and nutritive matter; relished by stock both in hay and in pasture. Sow 40 lbs. to the acre. Per lb. 20c.

Orchard Grass. *(Dactylis Glomerata.)* A valuable grass on account of the quality of nutritious feed which it yields, and the rapidity with which it grows after being cut or grazed; it is well adapted for growing under trees or in orchards. If allowed to stand for hay it has rather a coarse appearance, but if grazed it has always a fresh green hue. Sow two bushels to the acre; weight per bushel, 14 lbs. Per lb. 20c.

Foxtail, Meadow. *(Alopecuris Pratensis).* One of the best grasses for permanent pastures, possessing the three great requisites of quantity, quality and earliness; it is particularly adapted for moderately stiff clay and heavy soils. Per lb. 30c.

Bromus Inermis.

Italian Rye Grass. (*Lolium Italicum*). One of the most valuable grasses in Europe, being considered the best grass to cut green for soiling, affording repeated large and nutritive crops; we recommend it here for use in pasture mixtures. Sow three bushels to the acre; weight per bushel, 18 lbs. Per lb. 10c.

English Rye Grass. (*Lolium Perenne.*) One of the staple grasses of Great Britain, entering largely into the composition of most of the richest meadows and pastures. Sow three bushels to the acre; weight per bushel, 22 lbs. Per lb. 10c.

Timothy. (*Phleum Pratensis*). A grass so well known needs no description. Sow 12 lbs per acre. Per lb. 10c.

Canadian Blue Grass. (*Poa Compressa*). A valuable native grass which should be in all pasture mixtures; it will do well on dry soils, or even on clay, hard trodden or poor soils. On account of its creeping root stalk, it forms a splendid turf. Per lb. 10c.

Kentucky Blue Grass. (*Poa Pratensis.*) It thrives on a variety of soils, but does best in dry and somewhat shady locations; very valuable, as it will stand the hottest summers. Sow three bushels to the acre; 14 lbs. per bushel. Per lb. 15c.

Oat Grass. (*Avena Elatior*). Is most valuable for pasture on account of its early and luxuriant growth; it produces an abundant supply of foliage, which is relished by cattle early and late in the season. Per lb. 20c.

Sainfoin. (*Hedysarum Onobrychis*). A useful fodder plant. Per lb. 15c.

Bruce's Mixture of Permanent Grasses and Clover Seeds for laying down Land to Pasture.

When ordering permanent Grass Seeds it is necessary that our customers should describe the nature and situation of the soil, subsoil, etc., and state whether they are to be sown with or without crop. Our mixtures are composed of the best Clovers and Grasses, and arranged in proper proportion to suit the various soils for which they are intended, our aim having always been to *produce a rich and nutritious herbage in the shortest possible time.* Quantity per acre, 25 lbs. Price per acre, $2.50 to $3.00, according to quality.

Below we give the Ontario School of Agriculture (Guelph) *formula* of Grasses and Clovers for Permanent Pastures:

Six lbs. Meadow Fescue, 3 lbs. Timothy, 2 lbs. Canadian Blue Grass, 3 lbs. Orchard Grass, 3 lbs. Red Top Grass, 4 lbs. Lucerne Clover, 1 lb. White Dutch Clover, 1 lb. Alsike Clover, 2 lbs. Red Clover; total, 17 lbs. Grasses and 8 lbs. Clover, being the quantities required for an acre. Price, $3.00 for 25 lbs; per lb. 15c. Reduced prices for large quantities.

MILLETS.

Annual forage plants, valuable for furnishing green fodder and hay, in from sixty to ninety days from sowing, producing on good soils an extraordinary yield of excellent forage, highly relished by stock. All varieties should be cut in the blossom. Sow from one-half to three quarters of a bushel per acre.

Common Millet. (*Panicum Miliaceam*). Very early; height, two to three feet; foliage very broad and very abundant; heads very open, branching panicles; seeds glossy; oval and somewhat flattened. Peck, 25c., bushel 75c.

German or Golden Millet. True. Medium early; height, from three to five feet; heads closely condensed; spikes very numerous; seeds round, golden yellow, in rough bristly sheaths. Peck, 45c.; bushel, $1.50.

Hungarian (Grass) Millet. (*Panicum Germanicum*). Early; height, two to three feet; abundant foliage and slender head; withstands drought and yields well on light soils. Peck, 25c., bushel 75c.

ABOVE VARIETIES 10c. LB., POSTPAID. PRICES SUBJECT TO MARKET FLUCTUATIONS.

Bruce's Select Mixture of Grass Seeds for Lawns.

The annual increase in our sales of Lawn Grass Seed is the best assurance of its superiority; and the testimony of those who have used it justifies our claim that it is the most perfect mixture in use for Lawns, Croquet, Cricket and Lawn Tennis Grounds. Price per lb. 20c., 100 lbs. $17.50; postpaid 25c. per lb.

Our Mixture is composed of grasses specially selected to produce a close evergreen sod, calculated to withstand to the best advantage the summer heat, and sufficiently hardy to live through the extreme frosts of our northern winters. The greatest care is exercised in the selection of our grass seeds to use only such samples as are absolutely free from weeds, as it is generally found in the preparation of a new lawn that weeds indigenous to the soil are too plentiful without sowing them in a lawn mixture. A top dressing of thoroughly rotted manure in the fall, and a good sprinkling of bone dust in the early spring, with the addition of a light seeding, are great aids in the preservation of the sod. Sixty pounds of seed is sufficient for an acre, and one pound will sow a plot 15 by 20 feet, or 300 square feet.

OATS.

A CHANGE OF SEED ALWAYS PAYS.

	Bushel.
Black Tartarian. The favorite variety	$0 50
Black Goanette. Very productive; best suited for heavy lands	50
Giant Swedish, or Golden Giant Side Oat. Grows from 4 to 5 feet high, with strong, yellow, bright straw; panicles are of great length and the grains closely set, and enormously productive, many heads having been found containing over 250 grains	50
Holstein Prolific. This is a White Oat with large branching open head; grows 4 to 4½ feet high, with fine, clean, bright straw; panicle close and complete, completely covered with close set grains	50
White Australian, New Zealand, or White Russian	45
American Banner. The grain is white, of medium size, plump and even, and the straw stands up well. We recommend it highly	45
Siberian White. A very early, most productive variety; claimed to be rust proof; straw is stiff and strong, grain handsome, plump and valuable for feeding on account of its thin hull	50
Danish Island, a *new* variety which comes highly recommended; very productive	75

ABOVE VARIETIES, 5 LBS., POSTPAID, 40c.

Scotch Grown Oats. Pedigree stock. Weight over 40 lbs. per measured bushel. For some years we have made a speciality of importing these, and they have given general satisfaction. This season we offer the following:

Black Tartarian. The best variety in cultivation.
White Hopetoun. A very productive variety.

5 lbs. postpaid, 50c.
Peck 35c.
Bushel, (34 lbs.) $1.00

PRICES SUBJECT TO MARKET FLUCTUATIONS.

RAPE.

Largely grown for soiling purposes; it is also excellent food for sheep, and is strongly recommended as a most profitable crop for stock raisers to grow. Sow at the rate of six pounds of seed per acre, and successional sowings, beginning in May, will insure crops from August onward.

Broad-Leaved Essex ..... Per lb. 10c.; 25 lbs. $2.00; in 100 lb lots, $7.00

PEAS—Field Varieties.

The Mummy. A large and prolific variety; straw strong and erect, bearing the pods in clusters on the crown.
Centennial. A grand pea; extra large and most productive.
Crown. Pods in clusters on crown or top of stalk; prolific.
Golden Vine. A standard variety.
Canadian Beauty. A very large Pea.
Grass. A good variety; impervious to bugs.
Blue Prussian. Very prolific.
Marrowfat, White. A well-known variety.
" **Black-Eyed.** A well-known variety.

SPRING WHEAT.

Manitoba White Fife. A well-known popular variety.
" **Red Fife.** A well-known popular bald variety.
Rio Grande. A good all round variety.
Colorado. A favorite; very productive.
Wild Goose. Very productive; head bearded with white chaff; straw stiff, grain hard and flinty; midge proof.

PRICES OF PEAS AND WHEAT ON APPLICATION.

FALL WHEAT.

New Gold Coin.
New Longberry.
New Harvest Queen.
Diamond Grit.
Oatka Chief.
Arcadian.
Harvest King.
Long Amber.
Pride of Genesee.
Ped. Genesee Giant.
Red Clawson.
Dawson's Golden Chaff.

Our Fall Wheat Circular, which we publish in August, will contain a list of the best varieties of recent introduction, with prices, and will be mailed free to all applicants.

NEW COTTON BAGS.

	Each.	Per doz.	Per 100
Smith Mills, W	17c.	$1 85	$14 50
X	19c.	2 10	16 50
Spring Grove B	21c.	2 35	18 50
Eagle B	23c.	$2 60	$20 50
Hochelaga A	25c.	2 85	22 50

3 supplied at dozen rate; 25 at hundred rate.

MISCELLANEOUS.

Flax Seed. Choice screened; lb. 5c., 6 lbs. 25c., 100 lbs. $3.00.
Flax Seed Meal. Pure; lb. 5c., 6 lbs. 25c., 100 lbs. $3.50
Lentils. For Soup; lb. 15c., 2 lbs. 25c.
Oil Cake. Fine ground; 10 lbs. 25c., 100 lbs. $1.45.
Rye. Spring; peck 30c., bushel $1.00.
" Fall; peck 20c., bushel 65c.
Sugar Cane. Early Amber; lb. 15c., 100 lbs. $7.00.
Sunflower. ¼ lb. 5c., lb. 10c.
Tares. Spring, black; peck 50c., bushel $1.50.
Tobacco. Connecticut Seed Leaf; pkt. 5c., oz. 20c., lb. $2.00.
Tobacco. White Burley; pkt. 5c., oz. 25c., lb. $2.00.
Wild Rice. ¼ lb. 10c., lb. 25c., 100 lbs. $15.00.

Postage at the rate of 4 cents per lb. to Canadian points, and 16 cents per lb. to Newfoundland and the United States, must be added to the above prices if required by mail.

ABOVE PRICES NOT GUARANTEED. SUBJECT TO MARKET FLUCTUATIONS.

FLOWER SEEDS.

A FEW BRIEF PRACTICAL DIRECTIONS ON THEIR MANAGEMENT.

To be successful in the raising of plants from seeds requires much greater care than is commonly exercised, and many packets of valuable seed are annually destroyed for the want of a little skill and forethought. Inattention to, or want of skill in watering, is undoubtedly the main source of failure, *a single hour of a dry surface at certain stages of germination being sufficient in many cases to destroy life.* Amateurs especially are reminded that there can be no fixed time for watering; *the surface of the soil must never be allowed to become quite dry, neither must it at any time be decidedly wet,* and to maintain this intermediate state is one of the essential conditions of success.

FLOWERING PLANTS ARE USUALLY DIVIDED INTO THE FOLLOWING SECTIONS:

ANNUALS, BIENNIALS, PERENNIALS.

Annuals. Plants which require to be sown annually, as they live and bloom only one season.

Biennials. Plants which do not bloom until the second season after sowing, remain a certain time in perfection and then die. They are produced from seed, and some of the finest varieties are continued by cuttings.

Perennials. Plants which continue to grow and bloom annually.

Annuals are called either *hardy, half-hardy* or *tender.* Hardy annuals will grow and blossom in the border without any artificial heat or protection, and may be sown during the months of May and June. The soil should be well prepared and neatly levelled, and the seed sown either in small patches each kind by itself, or in drills. In about a month, more or less, many of them will be fit to transplant, which should always be performed in cloudy or rainy weather.

Half-hardy annuals are applied to those annuals which, although they will flower freely in the open ground, require artificial heat to assist germination, and protection from atmospheric changes during the earlier stages of their growth. Many of them are of great beauty and interest, and derive an additional value from flowering after most of the hardy annuals are out of bloom.

Tender annuals require the aid of a green-house or conservatory to bring them to perfection. The seeds are generally sown in March, placing them in a warm part of the green-house or plunging them into a moderate hot-bed, carefully protecting them from cold, shading them from the sun and watering them with a fine rose watering pot.

Biennials and Perennials may be sown at the same time as Annuals of the same degree of hardiness and treated similarly, except such of the hardy kinds as do not bloom the first year. These last may be thinned out or removed from the seed beds as soon as they are well rooted, and planted either in different parts of the garden, or into a nursery bed, in rows a foot or more apart. Some Biennials and Perennials may be sown in September, or as soon as the seeds are ripe, and if the plants get strong enough before the setting in of winter, most of them will flower the next summer.

On the Preparation and Management of a Hot-Bed for Raising Seedlings.

"Sow in heat, sow in hot-beds," are the directions so commonly found in the notices of half-hardy annuals, that we feel that we shall be materially aiding those who are their own gardeners if we give a few simple directions on the subject of hot-beds, composed of stable manure, the most frequent and useful form in which it is to be found.

The preparation of the dung is a matter of great importance, and if the bed be expected to retain its usefulness for any length of time, it should be well worked previous to being used. If obtained fresh from the stable yard, and found to be dry, it should be well watered and thrown lightly together to ferment. This will take place in the course of a few days, and three or four days afterwards it should be completely turned, well shaken and mixed, keeping the more littery portion to the interior of the heap; a second watering and turning may be necessary, although one will be generally sufficient. When thus cleansed of its rankness the bed may be made.

The situation for this should be dry underneath, sheltered from the north as much as possible, and fully exposed to the sun; it should be built from two feet six inches to four feet high, and wider by six inches every way than the frame to be placed upon it. The dung should be well shaken and mixed up while being put together, and firmly pressed with the foot. The frame should be kept closed until the heat rises, and three or four inches of sifted sand or ashes should be placed on the surface of the bed. In a few days it will be ready for use; but air should be given night and day while there is any danger of the rank steam, and if the sand or ashes are drawn away from the side of the bed they should be replaced.

BRUCE'S 25 CENT FLORAL COLLECTIONS.

The following collections of Flower Seeds are arranged specially for the benefit of purchasers who find difficulty in making a selection where they are so many varieties in a class to choose from. Each collection contains an assortment of the most brilliant shades, giving the greatest diversity of color obtainable, and all are selected from our choicest strains. We offer them at half our Catalogue price, to encourage the more general cultivation of flowers and to disseminate a knowledge of the different varieties. We have been so successful in capturing the public taste with our selections that we feel a degree of pride in referring to it, and it is our intention to maintain the standard of perfection; for if the charm was once broken our heart's ease would be gone forever.

BRUCE'S EMPIRE COLLECTION OF ASTERS.

American Branching Aster. Highly prized for cutting.
Crown Aster. Exceedingly attractive.
Jewel Aster. Handsome large flowered variety.
New Ray Aster. Magnificent and distinct.
Truffaut's Perfection Aster. Popular and showy.
Victoria Aster. Of exquisite form and immense size.

Six superb varieties for 25 cents.

BRUCE'S GOLDEN JUBILEE COLLECTION OF FLORAL GEMS.

Shown in colors on back of Catalogue.

Alyssum, Sweet. Pure white. Much used in bouquets because of its delicate fragrance.
Aster. Many varieties in choice mixture.
Calliopsis. Superb mixed.
Centaurea Cyanus, or Corn Flower. All colors in choice mixture.
Dianthus—Pinks. Popular and pretty, all colors.
Eschscholtzia, or California Poppies. A splendid mixture of single and double varieties.
Petunia. Extra fine mixed striped and blotched varieties.
Phlox Drummondii. Large flowered, all colors.
Poppies, Garden. Many varieties, mixed, including Shirley, Double Carnation, Pæony flowered, Double French and others.
Zinnia, Double. Handsome flowers, superb mixed.

Ten splendid varieties for 25 cents.

BRUCE'S ROYAL NOSEGAY OF SWEET PEAS.

Lithographed in colors on front of Catalogue cover.

Black Knight. Deep maroon.
Emily Henderson. Pure white.
Gorgeous. Orange.
Lady Nina Balfour. Delicate mauve.
Lottie Hutchins. Cream and pink.
Lottie Eckford. White, violet edge.
Lovely. Shell pink.
Queen Victoria. Yellow, shaded purp.
Salopian. Crimson.
Waverly. Rosy-claret.

Ten grand varieties for 25 cents.

BRUCE'S PEERLESS COLLECTION OF NASTURTIUMS.

Aurora.
Beauty.
Crystal Palace Gem.
King of Tom Thumb.
King Theodore.
Prince Henry.

And two tall or climbing varieties, viz.:

Lobbianum Mixed, and Tall Mixed.

Eight fine varieties for 25 cents.

These collections being of such exceptional value are strictly net at 25 cents each. No discount allowed in premiums or otherwise.

FLORAL NOVELTIES FOR 1900

THE DESCRIPTIONS GIVEN ARE THOSE OF THE RAISERS.

NASTURTIUM—TALL CHAMELEON.

(*Tropæolum.*)

This highly interesting new variety presents a most unusual feature, which is that the flowers are of different colors on the same plant, and that they are variously blotched, splashed, striped and bordered with these several colors. On one and the same plant self-colored flowers are found, others curiously stained or flushed on clear ground, while others are broadly edged with light shades, or have dark margins.

The marvelous contrast produced by the numerous blooms, each so conspicuously different in appearance from its neighbors, is of the most charming effect, and renders this variety unsurpassed for covering trellises, fences, embankments, etc. Pkt. 10c.

NASTURTIUM—DWARF CHAMELEON

This is a dwarf form of the above strain, possessing exactly the same peculiarity of producing variously colored flowers on the same plant. The neat, compact bushes are covered with an abundance of flowers of different colors and markings; they form exceedingly fine edgings, and are unrivalled for general garden decoration. Pkt. 10c.

DWARF EARLY-FLOWERING COSMOS "DAWN."

The Cosmos is now one of the most popular flowers, but frequently, on account of its coming into bloom so late, the plants are destroyed by frost without having perfected a solitary flower. This new variety comes into full flower in July, and continues a mass of bloom until cut down by severe frost. This feature alone is sufficient to stamp it as a novelty of the first class, and will make their successful cultivation possible in any part of Canada; but, added to this, it is of dwarf, compact growth, growing only 4½ feet high, while the old variety growing alongside towers up nearly seven feet, a victim to the first strong wind. The flowers are fully as large as the old type; the color is a beautiful white, relieved by a delicate tint of rose at the base of the petals. Pkt. 10c.

CENTAUREA IMPERIALIS—GIANT FLOWERED CENTAUREA.

Centaurea Imperialis is the result of a cross between the violet *C. Moschata* and the lovely white *C. Margaritae.* It took from the first one the luxurious growth of the plant, but from the second the noble form of the flowers. The color of these varies *ad infinitum*, and include light pink, delicate lilac, rose, dark purple, lilac and white, pure white and brilliant red.

Centaurea Imperialis.

C. Imperialis forms a bush above 4 feet high, covered with long-stalked, noble-shaped flowers, almost double the size of the well-known *C. Odorata* and *Margaritae*, with the same sweet odor, and, as we expressly repeat, of quite the same form. It is, however, particularly distinguishable from the hitherto known sweet-scented Centaureas in the extremely long duration of its flowers, which will keep for 10 days if cut when scarcely opened and placed in water; furthermore, the stronger nature and the longer period of vegetation of the plant in general render it as easy of culture as any other summer flower, which is not always the case with *C. Odorata* and its varieties.

For cutting purposes the splendid, sweet-scented, giant flowering, long stalked and exceedingly durable *Centaurea Imperialis*, which besides shows already most of the popular fancy colors, will soon lead the fashion and be indispensable, while in the garden it is scarcely to be imagined a more effectful and more elegant flower arrangement than a group of our new Centaurea Hybrids. Mixed colors, pkt. 10c. Pure white, pkt. 15c.

Nasturtium—Tall Chameleon.

FLORAL NOVELTIES—*Continued.*

NEW EMPEROR SALPIGLOSSIS.

The Salpiglossis is one of the greatest favorites amongst our annuals. It has now this high place partly by its easy culture, but principally by its beautiful, in their design almost orchid-like flowers, which it produces during the whole summer. This novelty shows a very marked and striking distinction in habit as well as in its flowers. It forms only *one* single leading stem, and bears on its crown a bouquet of the most beautiful flowers. Every one of them is richly veined with gold and considerable larger than those of the old "grandiflora" type. The throat is wide open and short. The edge of the flower is not so deeply incurved as with the old variety, which gives it a more round and graceful shape. Pkt. 15c.

NEW MAMMOTH FLOWERING "ALLEGHENY HOLLYHOCKS."

An entirely new departure in this grand old garden favorite. Free and persistent in blooming, as it commences in June and continues until frost. The flowers are of mammoth size, 5 to 7 inches in diameter, and gracefully formed of loosely arranged fringed petals, which look as though made from the finest China silk, and when cut are hardly recognizable as a Hollyhock, having none of the formality of the ordinary Hollyhock. The plants are of majestic growth, sending up spikes 6 to 7 feet high and are of strong constitution. The colors range from the most delicate shell pink to dark red. Mixed colors. Pkt. 10c.

ORNAMENTAL ASPARAGUS.

Sprengeri. A most desirable new species, especially useful to grow as a pot plant for decorative purposes or for planting in suspended baskets; the fronds are frequently 4 feet long, of a rich shade of green, and most useful for cutting, retaining their freshness after being cut for weeks. It will make an excellent house plant, as it withstands dry atmosphere and will succeed in almost any position. We consider this one of the best house plants introduced for many years. Pkt. 15c.

Plumosus Nanus. This graceful climbing Asparagus has to a great extent taken the place of the once popular *Smilax* in all fine decorations. It possesses the advantage of being much more graceful, its foliage being finer than that of the most delicate fern, and will last for weeks after being cut, the whole plant being of a bright, cheerful green. It is an excellent house plant, succeeding under almost any conditions. Pkt. 25c.

NEW ASTERS.

Ray Aster. A charming new race, flowers large, very long slender quilled petals, resembling the straight-rayed Japanese Chrysanthemums; of elegant free habit. White and Rose. Mixed. Pkt. 10c.

Giant Comet Pearl. A very striking new color, almost slate gray, giving the enormous flowers a very attractive appearance. A valuable and beautiful acquisition. Pkt. 10c.

ECKFORD'S "SADIE BURPEE" SWEET PEA.

In describing this grand New Sweet Pea it is difficult to convey a just idea of the beauty which it possesses. The extreme daintiness of its form and pure pearly whiteness is altogether beyond description. It is absolutely the prettiest shaped flower produced. The individual flowers are of splendid substance; the plant is a strong grower, free flowering, and produces its flowers on long stout stems. The variety is of the fashionable hooded form, and most suitable for button-hole bouquet or other decorative work. Pkt. 10c.

BURPEE'S "NAVY BLUE" SWEET PEA.

An entirely distinct color (not tint) from any existing variety of Sweet Pea. General color effect dark blue; standards brilliant royal purple; wings pure violet; the whole flower elegantly veined in sharp relief. A most vigorous grower. Blooms of approved form, generous size, parchment-like texture and remarkable substance. Stems usually bear three flowers, occasionally four. When they begin to fade they assume an antique silver-gray cast, but maintain a stately mien up to the moment the petals fall. Pkt. 10c.

Allegheny Hollyhocks.

Pansy—Madame Perrett. (New.) Trimardeau size of flower, of perfect form, and best substance; edge of petal is somewhat frilled. The colors are of dark wine, pink and red, beautifully veined and all with a white margin. Popular in the London and Paris markets on account of its lively color. Per pkt. 25c.

BRUCE'S SELECTED FLOWER SEEDS

ALL FLOWER SEEDS SENT FREE BY MAIL AT CATALOGUE PRICES.

LIBERAL DISCOUNT ON FLOWER SEEDS IN PACKETS.	ALL WHO REMIT	$3.00 may select to the value of $3.75
	$1.00 may select to the value of $1.20	$4.00 " " " " $5.00
	$2.00 " " " " $2.45	$5.00 " " " " $6.25

☞ These discounts do not apply to collections or to seeds by the ounce.

ABRONIA.

A pretty creeping plant, with verbena-like heads of sweet-scented flowers. *Hardy annual.*

Umbellata. Grandiflora, delicate rose.....pkt. 5
Arenaria. Lemon yellow..... " 5

ABUTILON.

Large flowers, in red, white, rose and orange; richly veined; suitable for house in winter and garden in summer; *half-hardy shrubs;* easily raised from seed. Finest mixed hybrids.....pkt. 25

ACONITUM.

Monkshood. A free-blooming plant of easy culture; flowers blue and white; 3 ft. *Hardy perennial*..... pkt. 5

ACROCLINIUM.

A beautiful class of everlasting flowers, much used for winter bouquets. *Half-hardy annual.*

Double mixed; white and rose.....pkt. 5

Ageratum.

ADONIS.

Adonis Æstivalis (Flos Adonis). A showy *hardy annual* of easy culture; deep crimson; 1 ft .....pkt. 5

AGROSTEMMA.

Coronaria. (Rose Campion). Free blooming and pretty. *Hardy perennial*.....pkt. 5
Cœli Rosa. (Rose of Heaven). Rose; 1 ft. *Hardy annual*.....pkt. 5

Sweet Alyssum.

AGERATUM.

Very valuable and showy bedding plants. If lifted in fall and placed in the parlor or greenhouse, will keep up a succession of flowers during the winter. *Annual*

Mexicanum. Blue.....Per oz. 50c., pkt. 5
Dwarf Blue. Azure blue; very floriferous ..... " 5
Dwarf White. Extra fine..... " 5

ALYSSUM.

Free flowering, useful, pretty little plants for beds, edgings and rock work, blooming all summer; they also succeed well in the greenhouse for winter and early spring flowers, and are much used in bouquets because of their delicate fragrance. *Annual.*

Sweet Alyssum. Height ½ ft.....Per oz. 40c., pkt. 5
Little Gem. Dwarf compact habit; height, 4 in. " 5
Saxatile Compactum. Flowers golden yellow; very pretty. *Hardy perennial.* Height, 9 in..... " 5

AMARANTHUS.

Ornamental foliage plants of an extremely graceful and interesting character, producing a striking effect whether grown for the conservatory or flower garden. *Hardy annual.*

Caudatus. Love-Lies Bleeding; showy; 2 ft....pkt. 5
Cruentus. Prince's Feather; scarlet; 3 ft..... " 5
Melancholicus Ruber. Crimson foliage; 2 ft... " 5
Tricolor Splendens. Joseph's Coat; very pretty; 2 ft ..... " 5
Henderi. Foliage rose, yellow and olive green, splendid..... " 5
Salicifolius. Long narrow leaves; 3 ft..... " 5

Miss Mattie Rudd, Galiano Island, B. C., writes: Bought your four special collections of Flower Seeds last spring and am more than satisfied. Everything planted in suitable ground is simply lovely. Your catalogue does not describe their beauty.

AMPELOPSIS VEITCHII.

Japanese Ivy. This beautiful climber, generally known as Boston Ivy, is specially adapted for covering brick or stone buildings. *Hardy perennial*.....pkt. 10

Two-year-old plants 25c. each, postpaid.

ANAGALLIS.

Pimpernel. Valuable for bedding plants; they succeed best in light, rich soil, and delight in a sunny situation. *Half-hardy annual.*

Extra fine mixed; 2 ft.....pkt. 5

ANTIRRHINUM.

Snap Dragon. An old garden favorite, of easiest culture. They thrive in any soil, the tall sorts yielding an abundance of fine cut-flowers, while the dwarf sorts make handsome edgings. *Half-hardy perennial.*

Tom Thumb. Finest mixed; ¾ ft.....pkt 5

TALL VARIETIES.

White; Crimson and White; Yellow; Scarlet and Yellow; Dark Scarlet; Rich Crimson; Scarlet, White and Orange. Each color separate, or all colors mixed.....pkt. 5

NEW GIANT-FLOWERED ANTIRRHINUM.

The flowers of this new strain are much larger than those of the old type, and the plants grow taller. For gorgeous coloring few flowers can match them. Raised under glass in spring and planted out, all the varieties will bloom profusely during summer and into autumn.

Finest mixed.....pkt. 10

AQUILEGIA OR COLUMBINE.

An extremely showy genus of early summer blooming plants, their flowers being beautiful both in form and color. *Hardy Perennial.*

Choice mixture of single and double varieties.....pkt. 5

AURICULA.

A well-known variety of great beauty, succeeding best in northern aspect. *Half-hardy perennial.*

Choice mixed......pkt. 10

Extra choice mixed, from named flowers; very distinct....pkt. 25

Antirrhinum.

ORNAMENTAL ASPARAGUS.

ASPARAGUS SPRENGERI.

A beautiful new variety of this graceful class of plants. Specially useful to grow as a pot plant for decorative purposes or for planting in vases or suspended baskets. It grows freely the whole year round; as it withstands dry atmosphere it makes an excellent house plant. A vigorous grower, producing sprays four to five feet long, of fresh, green, feathery foliage. Useful for bouquets, wreaths or sprays, remaining perfect for weeks after cutting. Flowers white, followed by red berries. Pkt. 15c.

ASPARAGUS PLUMOSUS NANUS.

A beautiful climbing plant, with bright green, gracefully arched foliage, surpassing Maidenhair Ferns in grace, delicacy of texture and richness of color. The fronds are twelve to fifteen inches in length and taper to a point from a width of twelve inches. One of the most beautiful decorative plants. Pkt. 25c.

Princess Aster.

BRUCE'S ASTERS.

The Aster is not only one of the most popular, but also one of the most effective of our garden favorites, producing in profusion flowers in which richness and variety of color are combined with the most beautiful and perfect form. In our flower beds and mixed borders, it occupies a deservedly prominent position. All the varieties delight in a rich, deep soil, and in hot, dry weather should be mulched with well-rotted manure, and frequently watered. *Hardy Annual.*

OUR SPECIAL OFFER IN ASTERS.

BRUCE'S EMPIRE COLLECTION FOR 1900

Six Superb Varieties for 25 Cents.

New Ray Aster.	Victoria.	Jewel.
Crown.	American Branching.	Truffaut's Perfection.

USUAL CATALOGUE PRICE, 60c.

Each variety separate and true to name as described, and mailed post-paid to any address for twenty-five cents.

ASTERS—*Continued.*

Queen of the Earlies. This new variety resembles somewhat the Queen of the Market, but flowers from *two to three weeks earlier*, making it decidedly the earliest of all Asters. The double flowers of good size are borne on long stems; valuable for cutting.

Pure White.....pkt. 10
Choice mixed, all colors..... " 10

Queen of the Market. An extra early variety of graceful spreading habit; valuable for cutting.

Pure White.....pkt. 5
Choice mixed.....pkt. 5

Triumph of the Market. New. Of half dwarf habit, vigorous and much branched, produces on firm stalks its numerous flowers, which are of a brilliant red with coppery reflex; its long, broad, slightly tasselled petals give them a very distinct and elegant character.....pkt. 10

Ball or Jewel. A magnificent and distinct class of Aster, with ball-like flowers incurved like a double Chrysanthemum.

Pure White.....pkt. 10
Crimson..... " 10
Choice mixed..... " 10

Ray. New. A new and distinct type of Aster. Plants attain a height of about 20 inches, of branching habit, and bearing their large flowers on long strong stems; the flowers measure from 4 to 6 inches in diameter, and consist of ray-like, slender quilled florets, giving them a very attractive appearance.

White and bright rose, mixed.....pkt. 10

Comet. Charming and distinct; are large and double, resembling in the shape and artistically curved and twisted petals the finest Chinese Chrysanthemums; height 12 to 15 inches.

Pure white, extra fine.....pkt. 10
Pink..... " 10
Finest mixed..... " 10

Giant Comet Aster.

This new variety differs from the well-known Comet, not only on account of its large size, but because the petals are longer and broader, giving an entirely different appearance.

Giant Comet. "Pearl." New. A very striking new color, almost slate grey, giving the enormous flowers a very attractive appearance. Pkt. 10

Giant Comet. "The Bride." White, changing to rose, the flowers being firstly pure white, then white changing to rose, and finally a beautiful rose tint; a charming flower. Pkt. 10

Giant Comet. "White." Pure white; a magnificent Aster.....pkt. 10

Giant Comet. "Pink," very pretty. Pkt. 10

Giant Comet. "Lavender." Pale lavender.....pkt. 10

Giant Comet. "Crimson." Rich deep crimson.....pkt. 10

Giant Comet, mixed, all colors.. " 10

New Japanese Aster.

The beautiful flowers of this new strain of Asters offer a most striking contrast to those of any other variety. They are of immense size, measuring from five to six inches across, with long petals curiously waved and curled, so as to give them a striking resemblance to the most disheveled Japanese Chrysanthemums. It is a vigorous growing plant, 14 or 15 inches high, well branched, and producing quite a number of these enormous flowers. Mixed colors.....pkt. 10

NEW BRANCHING ASTER.

A variety of American origin. The flowers are large, exceedingly graceful and handsome, and are borne erect on very long stems. The broad, wavy petals are gracefully curled or twisted. Being a late bloomer the flowers come at a time when other kinds are scarce and are thus the more prized.

Shell pink. Large double flowers of a rich but delicate pink; a charming color....pkt. 10
Pure white; a most desirable variety for cutting.....pkt. 10
Finest mixed, all colors..... " 10

Large Flowered Victoria. A magnificent race of Asters; flowers are large, globular and double; plants pyramidal, bearing from 10 to 12 blooms at one time; height, 18 to 20 inches.

Light Blue.....pkt. 10 | Crimson.....pkt. 10
Peach Blossom.... " 10 | Pure White..... " 10
Choice mixed, all colors..... " 10
COLLECTION OF TWELVE SEPARATE COLORS.....75
" SIX " " 50

Dwarf Victoria. Admirably adapted for bedding and also florists' use; height, 9 to 12 inches.

Pure White.....pkt. 10
Choice mixed, all colors..... " 10

ASTERS—*Continued.*

Truffaut's Pæony-flowered Aster.

Snowball, or Princess. In form semi-spherical; composed of short, thickly set, imbricated petals. A handsome variety.

Pure White.....pkt. 10
Rosalind. New, bright rose, very pretty..... " 10

Triumph. A distinct variety, forming compact plants from 8 to 10 inches high. The flowers are large and of rare beauty, the petals being beautifully incurved. Makes a fine pot plant, and is unequalled as a bedder.

Pure White.....pkt. 10 | Dark Scarlet.....pkt. 10
Scarlet Striped White..... " 10

Mignon. The plants of this favorite, which are semi-dwarf, when well-grown, bear 40 to 50 beautifully shaped double flowers, with deeply imbricated petals, which are unsurpassed for cutting and floral work.

Pure White, fine for florists' work.....pkt. 10
Mixed colors, including white, rose, peach blossom, lilac and red..... " 10

Lady in White. The pure white flowers of this free-flowering variety are borne on slender stalks and have the same graceful semi-globular form as the Mignon. Indispensable for florist work.....pkt. 10

Marguerite or Single Flowered. The plants of these beautiful single flowered Asters average about 2 feet in height, and carry on long stalks a mass of single star-shaped flowers, which appear early and last a long time in bloom. Excellent for mixed borders, wild gardens, etc.

Mixed colors, including white, pink, dark rose, carmine, lavender and dark blue.....pkt. 10

German Quilled Betteridges. Petals quill shaped; flowers large and double; height 2 ft.

Choice mixed.....oz. 75c., pkt. 5

China. Choice mixed.....oz. 75c., pkt, 5

DOUBLE BALSAM.

Well-known and deservedly popular plants, producing flowers in wonderful profusion, resembling the Camellia in form, and often fully as double. *Half-hardy annual.*

White, Rose and Crimson.
Separate colors.....each per pkt. 10

Double-Flowered. Extra choice mixed..oz. 75c., pkt. 10
" " Fine mixed .....oz. 60c., pkt. 5

Solferino. Spotted and striped..... pkt. 5

Truffaut's Pæony-flowered. One of the most perfect and popular of all Asters, the flowers being very double, large and handsome; petals incurved; height, 18 to 24 inches.

COLLECTION OF TWELVE SEPARATE COLORS..... 75
" SIX " " 40

Snow White....pkt. 10 | Bright Rose.....pkt. 10
Pale Pink..... " 10 | Light Blue..... " 10
Choice mixed, all colors..... " 10

Dwarf Chrysanthemum-flowered. Flowers very large and double, resembling Chrysanthemums. Valuable on account of profuse late blooming; height, 9 to 12 inches.

COLLECTION OF SIX SEPARATE COLORS..... 40
Pure White, extra fine.....pkt. 10
Choice mixed, all colors..... " 10

Dwarf Pæony Perfection. A handsome variety; flowers large, of fine form and perfectly double; petals beautifully incurved; height 12 to 14 inches.

Pure White, very chaste.....pkt. 10

Crown or Cocardeau. A very showy variety; flowers double, with a white centre surrounded by petals of a distinct bright color; height, 18 to 20 inches.

Choice mixed.....pkt. 10

Victoria Needle. Flowers large and double; petals twisted as round as needles, the effect being unique and charming; height, 18 inches.

Choice mixed, all colors.....pkt. 10

Giant Emperor. Flowers of an enormous size, very double and of great beauty; height, 2 ft.

Choice mixed, all colors.....pkt. 10

Washington. An extra large flowering Aster; one of the best for exhibition purposes; height, 2 ft.

Choice mixed, all colors.....pkt. 10

Boltzes Dwarf Bouquet. A charming free-blooming class of compact habit; height, 8 to 10 inches.

Choice mixed, all colors.....pkt. 10

Double Balsam.

IMPORTED COLLECTIONS.

Camellia Flowered. Six distinct colors..... 40
Rose Flowered. Six distinct colors..... 30

BALLOON VINE.

Cardiospermum Halicacabum A genus of rapid growing climbers, remarkable for an inflated balloon-shaped seed capsule which it bears in clusters; 6 to 8 ft. *Annual*.....pkt. 5

BARTONIA AUREA.

Very showy; golden yellow; 1½ ft. *Hardy annual*.. pkt. 5

BEGONIA.

Tuberous-rooted; new hybrids. These splendid varieties produce handsome plants from 12 to 18 inches high, covered the whole summer, until frost sets in, with bright and elegant flowers of almost every shade of color; when well grown the flowers of some varieties attain an extraordinary size, being frequently 6 inches in diameter.

Single varieties, finest mixed.....pkt. 15
Double " " " ..... " 25

BRACHYCOME.

Swan River Daisy. Dwarf free-flowering plants; covered all summer with a profusion of Cineraria-like flowers; very effective in edgings, rustic baskets or for pot culture. *Half-hardy annual.*

Ibiridifolia. Fine mixed; ½ ft.....pkt. 5

CACALIA COCCINEA.

Tassel Flower. A beautiful and profuse flowering class of plants, with tassel-shaped flowers; fine for mixed borders. *Half-haray annual*.....pkt. 5

CALLIOPSIS, or COREOPSIS.

This genus is one of the most striking of all annuals, the tall varieties being very effective in mixed borders; while the dwarf, from their compact habit, are well adapted for beds, the colors all being strikingly beautiful. *Hardy annual.*

Drummondii. Orange yellow.....pkt. 5
Nigra Speciosa. Rich crimson; 1 ft..... " 5
Tinctoria. Crimson brown, tipped yellow; 2 ft.. " 5
Fine Mixed, all colors..... " 5
Double. Flowers are double and semi-double; yellow and maroon; very pretty.....pkt. 5

HARDY PERENNIAL VARIETY.

Lanceolata. This is one of the most popular perennials in cultivation. The flowers are large, of a bright golden yellow, freely produced on long stalks from June till frost; excellent for cutting; height, 3 ft...pkt. 10

Double Begonia.

CALANDRINIA.

Very beautiful creeping plants; admirably adapted for planting in rock work. *Annual.* Rose and crimson. each.....pkt. 5

CALCEOLARIA.

Plants of highly decorative character, indispensable for the ornamentation of the greenhouse and garden. C. hybrida is grown for indoor decorations; while C. rugosa, a shrubby variety, is sometimes grown for indoor and sometimes for outdoor decorations. *Half-hardy perennial.*

Hybrida. Finest mixed, from prize flowers; 2 ft..pkt. 25
James' International Prize. Unequalled for size and brilliancy of color; 2 ft..... " 50
Rugosa. Mixed; valuable for bedding; 1 ft..... " 25

CALENDULA.

Pot or Garden Marigold. Remarkably profuse blooming plants; their easy culture and continuous bloom make them valuable for the garden or pot culture. *Hardy annual.*

Sulphur Gown. Light lemon yellow; a splendid large flowered variety.....pkt. 5
Meteor. Double yellow flowers, striped with orange " 5
Le Proust Apricot. Very pretty..... " 5
Pluvialis (Cape Marigold). Pure white, large single flowers..... " 5

CANARY BIRD FLOWER.

Tropæolum. Bright fringed, yellow creeper; very ornamental; a general favorite; 10 ft. *Half-hardy annual.* Pkt..... 5

CANNA.

This genus, from its stately growth, combined with its rich and varied flowers and picturesque foliage, is one of the most strikingly effective of our ornamental plants, either for conservatory or flower garden. The seed should be steeped for a few hours in hot water before sowing. The roots may be taken up and preserved like Dahlias. *Half-hardy perennial.*

Crozy's New Dwarf Hybrids. Splendid large flowering, with broad leaves; finest mixed.....pkt. 5
Dark Leaved Varieties. Finest mixed..... " 5

CATCHFLY.

Silene Armeria. Free-flowering, showy *hardy annual,* for beds or borders. Fine mixed.....pkt. 5

CAMPANULA.

Canterbury Bell. Well-known favorite, bearing large bell and saucer-shaped flowers; well adapted for borders and pot culture. *Half-hardy biennial.*

Single. Mixed.....pkt. 5. **Double.** Mixed.....pkt. 5

Calycanthema. The "cup and saucer" variety, fine mixed..... " 5

Superb Mixed. This special mixture includes single, double and Calycanthema varieties in all colors.....pkt. 10

Pyramidalis. A grand sort, known as the Pyramidal Bell Flower. *Hardy perennial.* Finest mixed blue and white; 4 feet.....pkt. 5

Canterbury Bell.

CANDYTUFT.

Giant Empress Candytuft.

One of the most useful of border annuals; very effective in beds, groups, etc. Also very useful for pot culture for conservatory decorations during the winter. *Hardy annual.*

White.....pkt. 5

White Fragrant..... " 5

White Rocket.....pkt. 5

Crimson.....pkt. 5

Purple or Lilac.....pkt. 5

Carmine.....pkt. 5

Fine Mixed, all colors.....oz. 20c.; " 5

Giant Empress. A splendid white variety. The plant is of very branching habit, and when full grown and covered with its large trusses of pure white flowers it presents a perfect pyramid of bloom throughout the summer.....pkt. 5

Tom Thumb. Bushy little plant, 4 to 6 inches high; very effective for small beds and edgings; finest mixed.....pkt. 5

CARNATION.

Marguerite. An exceedingly valuable strain of Carnations. Plants will begin to bloom in about four months from sowing the seed; the flowers which are varied and beautiful in color, are deliciously fragrant and exceedingly useful for cutting; about 75 per cent. of the seedlings produce double flowers. Pure white, pkt. 10c., choice mixed, pkt 10c.

Giant Marguerite. This improved strain which, while it retains the noted earliness of the popular Marguerites, produces much larger flowers which, combined with fine form, diversity and richness of color, make it a most valuable and beautiful acquisition. All colors in splendid mixture. pkt. 15

New Perpetual Riviera Market. This is the finest of all strains of Perpetual Carnations and is nearly as rapid in growth as the Marguerite class; the seed produces about 80 per cent. of splendid double flowers, with a large percentage of yellow.....pkt. 25

Grenadin. An extra early and very hardy variety, with brilliant double scarlet flowers.....pkt. 10

Grenadin. Pure white; extra fine..... " 20

Perpetual or Tree. Fine for winter blooming; choice mixed.... " 25

Hardy. Fine mixed; excellent for cutting..... " 10

Marguerite Carnation.

CASTOR OIL BEANS.

Ricinus. The picturesque foliage and stately growth, combined with the size of the giant varieties, impart to select plantations, shrubbery and mixed flower borders, quite an oriental aspect. *Half-hardy annual.*

Zanzibariensis. A new Castor Oil plant, far exceeding in size the much admired older kinds. The foliage is of the usual palmate character, produced in great luxuriance and of gigantic proportions, measuring 2 to 2½ ft. in diameter; the coloring varies from a light green to a dark coppery bronze and brownish purple.....pkt. 5

Corn Flower.

Duchess of Edinburgh. Dark purple stem and leaves; 5 ft..... " 5

Cambodgensis. The finest dark foliage variety, strikingly beautiful; 5 ft. " 5

Fine mixed.....oz. 20c., " 5

CENTAUREA.

The silvery-foliaged Centaureas are amongst our most beautiful and valuable bedding plants; should be started early, in gentle heat. *Half-haray perennial.*

Candidissima. Silvery leaves; very dwarf; 9 inches.....pkt. 15

Gymnocarpa. Very graceful silver foliage; excellent decorative bedding plant; 12 to 18 inches..... " 10

Americana. A large-flowering Centaurea, with handsome pale lilac flowers 4 inches in diameter. *Half-hardy annual.* Height, 2 ft..... " 5

Americana Alba. Splendid large white flower, fine for cutting. *Annual.* Height, 2 ft..... " 10

Cyanus. (Cornflower). A valuable *hardy annual* for borders; flowers most suitable for bouquets; 2 ft. Fine mixed.....oz. 20c., " 5

CENTAUREA—*Continued.*

Cyanus, Emperor William. Deep blue; a splendid variety.....pkt. 5

Cyanus, Victoria. (Minature Cornflower). A charming new variety for pots and edgings; all colors mixed " 5

Cyanus, Double. Choice mixed, including many new shades of color..... " 5

Moschato. (Sweet Sultan). See page 54.

NEW GIANT FLOWERING CENTAUREAS.

Imperialis. A new series of giant flowering hybrids, of great beauty and excellence. For description see Novelties, page 34. Choice mixed.....pkt. 10

Margaritae. Plants grow from 1½ to 2 feet high. The flowers are of the purest white, deliciously fragrant and freely produced on long stems, which render them invaluable for cutting..... " 10

Giant Purple. Sweet scented, very handsome..... " 10

Giant Chameleon. Delicate sulphur yellow; charming variety..... " 10

Centaurea Margaritæ.

CHELONE.

A beautiful, hardy, herbaceous plant, with showy flowers; very effective in beds or groups. *Hardy perennial.*

Barbata. Hybrida; fine mixed; 3 ft.....pkt. 5

Single Annual Chrysanthemum.

CHRYSANTHEMUM.

Very showy and very effective border plants, succeeding well in rich garden soil. *Hardy annual.*

SINGLE ANNUAL VARIETIES.

The Sultan. Crimson maroon.....pkt. 5

Burridgeanum. White, rose and yellow..... " 5

W. E. Gladstone. Rich crimson..... " 5

Eclipse. Golden yellow, scarlet ring, brown centre..... " 5

Fine Mixed..... " 5

DOUBLE ANNUAL ARIETIES.

Double Hybrids. The flowers of this charming new strain are large and double, the colors being beautiful and diversified, the petals exquisitely fringed and pencilled.....pkt. 10

White.....pkt. 5 | **Sulphur Yellow**..... " 5

Golden Yellow..... " 5 | **Fine Mixed**..... " 5

SINGLE PERENNIAL VARIETIES.

Marguerites, or Paris Daisies. Largely grown for cut flowers. They flower all summer in the garden, and make elegant pot plants for winter bloom.

Frutescens. White. Pkt..... 10

Maximum. Large ox-eyed daisy; large white flowers; hardy Pkt..... 5

DOUBLE PERENNIAL VARIETIES.

These are the double sorts which attract so much attention at the autumn shows.

Indicum Grandiflorum. Finest mixed.....pkt. 25

" **Double Pompon.** Finest mixed..... " 25

Japonicum (Japanese Varieties). Finest mixed..... " 25

CINERARIA.

A well-known greenhouse favorite; from the richness and diversity of its colors is one of the most valuable of our early spring flowers; succeeds best in light, rich, free and open soil. *Greenhouse perennial.*

Hybrida Grandiflora. Finest large flowering varieties; splendid mixed.....pkt. 25

Bruce's Prize. The flowers possess extraordinary substance, and are of immense size under good cultivation. For exhibition purposes it is unsurpassed..... " 50

CINERARIA MARITIMA.

(Dusty Miller). White foliage; very ornamental. *Half-hardy perennial.*

Maritima Candidissima. An extra fine variety.....pkt. 5

Bruce's Prize Cineraria.

CLARKIA.

A beautiful tribe of favorite plants, with pretty, cheerful-looking flowers, growing freely and blooming profusely under almost any circumstances; but when planted in rich soil and properly attended to they rank among the most effective of bedding plants. *Hardy annual.*

Single Mixed. Many sorts; 1 ft.....pkt. 5
Double " " " 2 ft..... " 5

CLEMATIS.

A beautiful fragrant climber; perfectly hardy; seeds often lie dormant for weeks. *Hardy perennial.*

Choice mixed. Large flowering sorts.....pkt. 10

CLIANTHUS.

Free flowering shrubs, with elegant foliage and brilliantly colored, singularly shaped flowers, which are produced in clusters with splendid effect. *Greenhouse perennial.*

Dampieri. Scarlet, pea-shaped flowers; 1 ft.....pkt. 25

Cockscomb.

COCKSCOMB.

Celosia. Highly ornamental, curious looking flowers for the greenhouse, drawing-room and garden. The following sorts have been saved from combs remarkable for their size, symmetry and color. *Half-hardy annual.*

Glasgow Prize. An extra fine dwarf variety, with immense crimson combs.....pkt. 25
Dwarf Mixed. Splendid..... " 10
Pyramidalis Plumosa. Magnificent annuals, with charming feathery plumes of the richest colors. One of the most effective plants for either pot or outdoor planting; height about 2 feet; finest mixed " 5

CLINTONIA.

An exceedingly pretty, Lobelia-looking plant, admirably adapted for rustic baskets, rock-work or vases. *Half-hardy annual.*

Elegans. Pale blue, beautiful; 1½ feet. Pkt..... 10
Pulchella Alba. White..... pkt. 10

CORDYLINE (Dracæna).

Beautiful decorative foliage plants.

Australis. Fine for vases.....pkt. 25
Indivisa Lineata. Very graceful. " 10

CORN FLOWER.

See Centaurea Cyanus, page 41.

CHINESE PRIMROSE.

See Primula, page 53.

Cobœa Scandens.

COBŒA.

Scandens. A beautiful climber, with large, well-shaped flowers and elegant leaves and tendrils. It is of very rapid growth, and consequently eminently adapted during the summer for warm situations out of doors; in sowing place the seeds edgeways and cover slightly. *Half-hardy annual.*

Purple.....pkt. 10
White..... " 10

COLEUS.

Handsome foliage plants, remarkable for their great variety and brilliancy of colors; indispensable for bedding; easily grown from seed.

Choice mixed; 2 ft.....pkt. 25

COLLINSIA.

Attractive in beds or mixed borders. *Hardy annual.*

Mixed colors; 1 to 2 ft.....pkt. 5

CONVALLARIA MAJALIS.

Lily of the Valley. *Perennial*....pkt. 10

COSMOS.

Mammoth Perfection. This new selection will be found a decided improvement on the old variety, the flowers being so much larger, usually *4 to 5 inches across.* It is a strong and vigorous grower and produces its beautiful single Dahlia-like flowers with the greatest freedom. Seed should be sown early and the plants which grow 4 to 5 feet high set out 2 to 3 feet apart. *Half-haray annual.*

Mammoth White, White Tinted, Pink, Rose and Crimson; each color separate, per pkt. 5c. **Mixed colors**.....pkt. 5
New Fringed. Flowers of this charming variety are beautifully fringed with pink, white and red. Finest mixed..... pkt. 10
Early Cosmos "Dawn." This new variety comes into bloom in July and continues to flower until cut down by frost. The handsome circular flowers are white, with a delicate tint of rose at the base of the petals. Plants are compact and bushy, growing about 4½ feet high.....pkt. 10

Cosmos.

COWSLIP.

An early spring blooming border plant. Treatment about the same as for Pansies. *Perennial*.....pkt. 5

BRUCE'S UNEQUALLED COLLECTIONS.

Empire Collection of Asters—6 splendid varieties for 25c.
Peerless Collection of Nasturtiums—8 grand varieties for 25c.
Royal Nosegay Collection of Sweet Peas—10 magnificent varieties for 25c.
Golden Jubilee Collection of Flower Seeds—10 beautiful varieties for 25c.

Japanese Morning Glory.

CONVOLVULUS.

Old and well-known favorites. The beauty and delicacy of their colors are unsurpassed; they all grow freely in almost any situation. *Hardy annual.*

Major. (Morning Glory); 10 ft..oz., 15c.; pkt. 5
Minor. Blue, yellow and white..... " 5
Double Flowered. The vines of this double flowering variety make as rapid growth as the single varieties. Flowers are white, with a spot of red or blue at the base of the large petals. About 80 per cent. of the seedlings come true from seed. .....pkt. 10
Mauritanicus. Charming plants for baskets, rock work, etc.; flowers lavender. *Perennial.* Pkt. 10

IMPERIAL JAPANESE MORNING GLORY.

The handsomest of a handsome family, of the easiest culture and of strong and rapid growth; the foliage is of varied forms and the markings fantastic. The flowers are very large, of good substance, remaining open most of the day, and the colorings are beyond description. There is nothing in the floral kingdom to compare with them in their diversity of shade and combination. Pkt. 10c.

CUCUMBER ORNAMENTAL.

An interesting tribe of plants, remarkable for their luxuriance and rapidity of growth, which, if the soil be rich, is marvelous. *Annual.*

Snake Cucumber. (Cucumis Flexuosus). 10 ft.....Pkt. 5
Wild Cucumber. (Echinocystis Lobata). This is the quickest climber known. It will grow 30 feet in one season, has dense graceful foliage, which is thickly dotted with pretty white fragrant flowers. It retains its fresh green color throughout the season, and is never infested with insects. The seed should be soaked in water for at least 24 hours before planting. Once planted this vine seeds itself and comes up every year.....Pkt. 5

Datura.

CYPRESS VINE.

Ipomea Quamoclit. A most beautiful climbing plant, with very delicate fern-like foliage. *Half-hardy annual.*
Scarlet; 10 ft.....pkt. 5
Finest Mixed...... " 5

CYCLAMEN.

A genus of the most beautiful and elegant winter and spring blooming plants, for pot culture; if sown early in spring, under glass and well grown, will make flowering bulbs in one year. The seed we offer is from the finest strains.

Persicum. Choice mixed.....pkt. 10
Giganteum. This section is remarkable for the immense size and magnificent colorings of the flowers.....pkt. 25

CYPERUS ALTERNIFOLIUS.

Umbrella Plant. Handsome *half-hardy perennial,* the long slender stems being surmounted by plumes of narrow green shining leaves; succeeds best in moist situation; valuable for aquariums; easily raised from seed.....pkt. 10

DAHLIA.

By sowing the seed early blooming plants may be had the same season. The seed we offer is from the best named varieties; 5 ft. *Half-hardy perennial.*

Double. Choice mixed.....pkt. 15
Single. Finest mixed, very showy..... " 5
Dormant Tubers. The finest named varieties, each..... " 20

DATURA.

Trumpet Flower. A tribe of highly ornamental plants with large trumpet-shaped flowers; 3 ft. *Annual.*

Wrighti. Bright large single flowers; satin white, bordered with lilac.....pkt. 5
Double Yellow. Large golden yellow; very fragrant..... " 5
Double Varieties. Finest mixed..... " 5

DOLICHOS.

Hyacinth Bean. A beautiful class of quick growing ornamental climbers. *Half-hardy annual.*

Finest mixed; 12 ft.....pkt. 5

DOUBLE DAISY.

Bellis Perennis. A well-known and favorite plant for the border or pot culture. *Half-hardy perennial.*
Snowball. Extra large, very double; pure white flowers.....pkt. 10
Longfellow. Double red..... " 10
Double White. Extra fine..... " 10
Choicest Mixed...... " 10

DRACAENA.

See Cordyline. Page 43.

DIANTHUS—PINKS.

These handsome single and double Pinks are deservedly popular. The flowers, which are large, embrace all colors from white to deep crimson, while most of them are beautifully variegated. The plants b oom during the entire summer and fall, and also the second season if slightly protected during the winter.

SINGLE VARIETIES.

Laciniatus. (Salmon Queen). The flowers of this new variety are the most brillant salmon color imaginable, changing into a salmony rose when fading. The flowers are well formed and nicely fringed.....pkt. 10

Laciniatus. Finest mixed, single fringed varieties; charming colors.....oz. $1.00, pkt. 5

Heddewigi. (Japan Pink). The flowers are large and of the most brilliant colors, from pure white to richest crimson, while many are laced and striped.....pkt. 5

The Bride. A dwarf variety, the flowers are white with a purplish centre, very pretty .....pkt. 5

Crimson Belle. Dark crimson; large flowers; splendid " 5

DOUBLE VARIETIES.

Imperial. Flowers of blood-red ground color, irregularly striped and splashed with white and pink, a charming variety.....pkt. 5

Mourning. The flowers are large, colors unique, rich purple, maroon, etc., edged with white..... " 5

Diadem. Flowers many colors, beautifully striped and laced..... " 10

Laciniatus. Fringed flowers of remarkable beauty. " 10

Choice Mixed. Consisting of the best double varieties, all colors..... " 10

China. Finest mixed .....oz. 50c., " 5

PERENNIAL VARIETIES.

Pheasant's Eye. A single variety, the flowers of which are white with crimson eye; very sweet scented..... pkt. 5

Double Pheasant's Eye. Double, large flowering sweet scented, hardy pink, flowers finely fringed, of various colors; finest mixed..... " 10

Paisley or Florist's Pink. Finely fringed double flowers; strong clove fragrance; especially desirable for cut flowers..... " 25

DELPHINIUM.

Perpetual Larkspur. One of the best, hardy, herbaceous plants, flowering in great profusion throughout the summer; flowers in large spikes of endless shades of colors, from pearl white to the richest and deepest blue. *Hardy perennial.*

Formosum. Bright blue flowers, very attractive; 3 ft ..... pkt. 10

Nudicaule. Flowers bright scarlet, very pretty, habit dwarf; 1 ft..... " 10

Zalil. Sulphur yellow. Plant of branching habit, a really handsome flowered Delphinium; 3 ft.... " 10

Hybrids. Finest single mixed..... " 5

" " double " ..... " 10

ESCHSCHOLTZIA.

California Poppies. An exceedingly showy, profuse flowering class of plants, with extremely rich and beautiful colors, very attractive for bedding, massing or ribboning. *Hardy annual.*

SINGLE VARIETIES.

Californica. Bright yellow, showy; 1 ft.....pkt. 5

Californica Alba. Creamy white, pretty; 1 ft.... " 5

Rose Cardinal. Beautiful carmine rose..... " 5

Mandarin. Bright orange flowers, shaded with crimson" 5

Fine Mixed; all colors .....oz. 40c., " 5

DOUBLE VARIETIES.

White and Yellow Mixed.....pkt. 5

ECCREMOCARPUS SCABRA.

A handsome rapid grower, free-flowering, bright orange flower; 10 ft. *Tender annual*.....pkt. 10

EUTOCA.

Neat, compact, free-flowering plants, very attractive in beds or mixed borders. *Hardy annual.*

Viscida. Deep blue, fine; 1½ ft.....pkt. 5

Eschscholtzia—California Poppies.

ERYSIMUM.

Very showy, free-flowering plants, very effective in beds and borders. *Hardy annual.*

Perofskianum. Orange, very showy; 1 ft.....pkt. 5

FEVERFEW.

See Matricaria. Page 49.

FREEZIA.

A most interesting family of plants, largely used by florists in cut flower decorations. The flowers are pure white, blotched with yellow on the lower petals, with a delicate musk perfume. The seeds produce a bulb, which plant in October in light soil; give plenty of light and sun. When done flowering put away the bulb in a dry place until next planting.
Pkt..... 10

FORGET-ME-NOT.

Myosotis. A favorite and well-known border plant; flowers early, blooms freely. *Half-hardy perennial.*

Victoria Sky-blue flowers with double centre; the best for pot culture.....pkt. 10

Robusta Grandiflora. Large flowering and robust growing variety; grown extensively for cut flowers, ¾ ft.....pkt. 5

Alpestris. Blue, dwarf and pretty rock plant, ¼ ft..... " 5

Palustris. True Forget-me-not, pale blue..... " 10

Finest Mixed Varieties..... " 5

FUCHSIA.

Well-known green-house plants; the seed we offer has been selected and saved from the finest named varieties. *Green-house shrub.*

Double and Single. Splendid mixed..... pkt. 25

FOXGLOVE.

Digitalis. Handsome and ornamental plants of stately growth and varied colors; 3 ft. *Hardy perennial.*

Gloxiniaflora. Large spotted flowers.....pkt. 5

Fine Mixed; large flowers... " 5

GLOBE AMARANTH.

Gomphrena. Extremely handsome everlastings, with showy pretty flowers, which may be cut in summer and preserved for winter bouquets. *Half-hardy annual.*

Purple.....pkt. 5

Mixed; all colors..... " 5

Forget-Me-Not.

Single Gaillardia.

GAILLARDIA.

Splendid bedding plants, remarkable for the profusion, size and brilliancy of their flowers; very effective and showy. *Half-hardy annual.*

Single Mixed; Flowers yellow and scarlet; very showy, in finest mixture.....pkt. 5

Lorenziana. Double mixed. Large heads of bright yellow and red flowers, very double, with quilled petals, fine for bouquets.....pkt. 5

Grandiflora. *Hardy perennial.* The flowers are large, from 2½ to 3½ inches in diameter, produced on long stems; they are excellent for cutting, and of the most gorgeous coloring.
.....pkt. 5

Double Gaillardia

GYPSOPHILA.

Paniculata. A handsome hardy perennial, with graceful, branched panicles of small white flowers, which are highly prized for bouquets. Height 2 feet.....pkt. 5

Elegans. Hardy annual; feathery lilac flowers, useful for bouquets. Height 18 inches.....pkt. 5

Muralis. A dwarf hardy annual with rose-colored flowers, suitable for rock-work. Height 9 inches .....pkt. 5

GERANIUM.

These well-known garden favorites are indispensable for in-door as well as out-door decoration, and should be extensively cultivated. *Half-hardy perennial.*

Finest Mixed. Beautiful for bedding.....pkt. 10

Golden and Bronze. Brilliant foliage ..... " 25

Double Zonale. Rose, purple and white, ½ ft..... " 25

Fancy Varieties, Pelargonium; finest mixed..... " 25

GILIA.

Very pretty dwarf plants, early and free bloomers, valuable for massing and for rockeries. *Hardy annual.*

Tricolor. White, lilac and purple; ¾ ft.....pkt. 5

Rosea. Rose, purple and white; ½ ft..... " 5

GODETIA.

Handsome summer flowering plants, of compact growth, bearing freely large flowers of exquisite colors and shades. *Hardy annual.*

The Bride. Pure white, crimson ring at the base of corolla; 1 ft..pkt. 5

Lady Albemarle. Flowers 4 inches in diameter and of a glowing crimson color; 1 ft..... " 5

Duchess of Albany. Large, glossy satiny white flowers, very beautiful; 2 ft..... " 5

Duke of York. Bright carmine, extremely effective; 1 ft..... " 5

GLOXINIA.

A superb genus of stove plants, profuse bloomers, of great beauty and diversity of colors; thrive best in sandy peat or loam. *Green-house plant.*

Splendid mixed varieties.....pkt. 25

GREVILLEA.

Robusta. (Tree Fern.) A very graceful fern-like foliage plant, for pots or tropical lawn effects; *tender perennial;* 3 to 5 ft..... pkt. 10

GOURDS.

Ornamental Gourds. The tribe of Cucurbita, or Gourds, is well-known as producing some of the most curiously shaped of all fruits, and are very desirable for covering the trelliswork of arbors, etc. *Half-hardy annual.*

Egg Shaped. White nest egg.....pkt. 5
Dish Cloth. A popular variety..... " 5
Mixed. Many sorts..... " 5

HAWKWEED.

Very useful, free-flowering plants, showy in beds. *Hardy annual.*

Mixed, Red, White and Yellow 1 ft.....pkt. 5

HEDYSARUM.

French Honeysuckle. Very hardy, plants producing racemes of attractive pea-formed flowers, in two colors, scarlet and white. *Perennial.*

Mixed.....pkt. 5

HELIPTERUM.

A beautiful genus of everlasting plants, valuable for winter bouquets. *Tender annual.*

Sanfordi. Of dwarf, tufted habit, with round clusters of golden yellow flowers; 3 ft.....pkt. 5
Corymbiflorum. Beautiful white flowers..... " 5

HIBISCUS.

A very ornamental and showy plant, well adapted for mixed or shrubbery borders. *Tender annual.*

Africanus. Color cream, brown centre; 1½ ft.....pkt. 5

HOLLYHOCKS.

A splendid plant for autumn decorations, and from its stately growth and varied colors of its magnificent spikes of flowers, may justly demand a place in every large garden or pleasure ground. *Hardy perennial.*

Fine Mixed.....pkt. 10
Splendid Double Mixed..... " 20
New Mammoth Fringed Allegheny. For description of this Novelty see page 35..... pkt. 10
English Prize. Collection of 12 varieties.....$1 00
English Prize. Collection of 6 varieties..... 75

HELIOTROPE.

A well-known genus of profuse flowering and deliciously fragrant plants. *Half-hardy perennial.*

Fine mixed varieties; 2 ft.....pkt. 10

Ice Plant.

HUMULUS JAPONICUS.

Climbing Hop. A plant of very rapid growth, beautiful when planted isolated and properly supported, also valuable for trellises, etc. *Annual*.....pkt. 5
Variegatis. The foliage of this variety is distinctly marked with silvery-white, yellowish white, light and dark green, and retains its bright variegated foliage until late in the autumn.....pkt. 10

Jacobea.

HELICHRYSUM.

Everlasting Flowers. Exceedingly effective in the flower border, and indispensable for winter bouquets, for which purpose they should be cut before the blooms fully expand. *Hardy annual.*

Large Flowering. Finest mixed ...pkt. 5

HUMEA ELEGANS.

A very graceful and ornamental plant for decorating gardens and pleasure grounds, with ruby and red grass-like florets; very desirable. *Half-hardy biennial*.....pkt. 10

IMPATIENS SULTANI HYBRIDA.

One of the most useful plants of recent introduction. Remaining in bloom for a long period, they produce lovely flowers, varying in color from delicate pink to the deepest red. *Tender perennial.* Height, 3 ft.....pkt. 25

ICE PLANT.

A dwarf, trailing plant, much used for garnishing. The leaves and stems are covered with crystaline globules, giving it the appearance of being coated with ice. *Half-hardy annual*.....pkt. 5

IPOMOPSIS.

A remarkably handsome free-flowering plant, with long spikes of orange and scarlet flowers. *Half-hardy biennial.* Fine mixed.....pkt. 5

IPOMŒA.

This genus contains some of the most varied and beautiful flowers in cultivation; for covering old walls, trellises, arbors or stumps of trees they are invaluable. *Half-hardy annual.*

Grandiflora. The Moon Flower. Large, pure white, flowers in great profusion, opening in the evening; rapid and luxuriant summer climber. Pkt..... 10
Hederacea Superba Grandiflora. Sky blue.....pkt. 5
Coccinea. Bright scarlet, very handsome. 6 ft..... " 5

JACOBEA.

Senecio. Free-growing plants, producing their gay colored flowers in great profusion; very effective for beds. *Hardy annual.*

Fine mixed, all colors.....pkt. 5

KAULFUSSIA.

Compact growing border plants; very effective for pots and edgings. *Hardy annual.*

Atroviolacea. Rich velvet; beautiful; new; ½ ft.....pkt. 5
Fine Mixed..... " 5

KENILWORTH IVY.

Linaria Cymbalaria. Splendid plant for hanging baskets, rustic work, etc. *Hardy perennial*.....pkt 10

LYCHNIS.

Very free-flowering herbaceous plant. *Hardy perennial.*

Chalcedonica. Bright scarlet, pretty; 2 ft.....pkt. 5
Haageana. Hybrida mixed; 1 ft. .....pkt. 5

LUPINUS.

Annual varieties, fine mixed...pkt. 5
Perennial " " " " 5

LOPHOSPERMUM SCANDENS.

A very beautiful and ornamental climber, with handsome showy foxglove-like flowers; very effective for conservatory or garden decorations; rosy, purple flowers; 10 ft. *Half-hardy perennial*.....pkt. 10

LIMNANTHES.

A very showy, profuse blooming dwarf plant, good for beds, clumps or edgings; thrives in any good garden soil. *Hardy annual.*

Douglasii. Yellow and white, pretty; 1 ft.....pkt. 5

LARKSPUR.

Very ornamental plants, possessing almost every requisite for the adornment of the garden; profuse bloomers, and of great variety of brilliant colors. *Hardy annual.*

Dwarf Rocket German. Finest mixed; 1 ft.....pkt. 5
Tall Rocket German. Finest mixed; 2 ft..... " 5
Hyacinth Flowered. Very double; 1 ft..... " 5
Stock Flowered. Very double, extra fine..... " 5

Double French Marigold.

LATHYRUS (Latifolius).

Everlasting Pea. Showy, free-flowering plants; very ornamental on trellis work, old stumps, or for covering fences or walls; height, 5 ft. *Hardy perennial.*

Scarlet.....pkt. 5 | **White**.....pkt. 5
Fine Mixed.....oz. 50c., " 5

LANTANA.

A very desirable class of plants for indoor pot culture, which can be trained in any desired form, and are continually in bloom. The flowers are small but showy. *Perennial* ..... pkt. 5

LINUM.

Flowering Flax. One of the brightest colored of summer annuals, flowers glowing crimson rose; 1 ft.....pkt. 5

LOTUS.

Very pretty genus of plants with pea-shaped flowers, for green-house or conservatory decoration. *Half-hardy annual.*

Jacobeus. Dark brown; 2 ft.....pkt. 5
Luteus. Yellow..... " 5

LISIANTHUS RUSSELLIANUS.

This is a splendid plant for green-house and conservatory decoration; its flowers are extremely handsome and a rich dark blue; 3 ft. *Green-house plant*.....pkt. 10

LOBELIA.

A very valuable and beautiful class of mostly dwarf growing plants. Their delicate drooping habit and the profusion of their charming little blue and white flowers render them exceedingly ornamental for rustic or hanging baskets, while for border cultivation they are equally effective. *Half-hardy annual.*

Compacta Crystal Palace. Dark blue, excellent for edging...pkt. 10
Erinus Alba. Pure white..... " 5
Speciosa. Blue, fine for bedding; ½ ft..... " 5
Gracilis. Pale blue, fine for vases, trailing..... " 5
Cardinalis Queen Victoria. Very dark leaves and beautiful flowers of brilliant scarlet, quite constant, a splendid acquisition. *Hardy perennial*.....pkt. 20

MALOPE.

A handsome plant of branching habit, with large showy flowers. *Hardy annual.*

Fine mixed.....pkt. 5

Double African Marigold.

MARIGOLD.—A tribe of well-known free-flowering plants, with handsome double flowers of rich and beautiful colors; very effective in beds, borders, etc. *Half-hardy annual.*

DOUBLE FRENCH MARIGOLD.

Collection of six finest varieties..... 30
Dwarf. Gold striped, very handsome.....pkt. 5
" Finest mixed; ½ ft.....oz. 30c., " 5
Tall. Choice mixed; 2 ft.....oz. 30c., " 5

DOUBLE AFRICAN MARIGOLD.

Collection of six finest double varieties..... 40
Orange and Lemon. Quilled varieties; each...pkt. 5
Tall Double. Finest mixed.....oz. 30c., " 5

MARIGOLD—*Continued.*

Single Marigold—Legion of Honor.

SINGLE FRENCH MARIGOLD.

Gold Ring. This really charming variety somewhat resembles the old one, Legion of Honor, and is of a dark brown velvety color, gracefully surrounded with a distinct gold ring; height, 9 inches. .....pkt. 5

Legion of Honor. Flowers bright yellow, distinctly blotched rich brown. The plants are dwarf and compact, and remain in bloom a long time; height, 9 inches.....pkt. 5

POT OR GARDEN MARIGOLD.

See Calendula. Page 40.

MESEMBRYANTHEMUM.

A beautiful class of dwarf-growing plants; very effective in beds, edgings, rock-work, rustic baskets and vases. Succeeds best in a warm situation. *Half-hardy annual.*

Tricolor. Mixed colors; very showy; 1 ft.....pkt. 5

MARTYNIA.

Very handsome free-flowering plants, with large flowers of great beauty. The young fruit or seed pods are highly esteemed for pickling. *Half-hardy annual.*

Fine mixed; 2 ft.....pkt. 5

MAURANDIA.

Beautiful climbers for green-house or out-door cultivation. *Annual*

Barclayana. Deep violet; pretty..... pkt. 10

MUSA ENSETE.

Abyssinian Banana Tree. Magnificent for sub-tropical massing. On the lawn as single specimens they are very effective. Seed sown early will produce immense plants the first season. *Tender perennial*..... pkt. 25

MATRICARIA.

Double Feverfew. Pure white double flowers; a desirable bedding plant, and largely used for cemetery decorations. *Hardy annual*.....pkt. 5

MIMULUS.

Extremely handsome flowers of brilliant colors. Seeds sown in spring make fine bedding plants for summer blooming, while seeds sown in autumn produce very effective early flowering green-house plants. *Half-hardy annual.*

Moschatus—Musk plant, yellow; ½ ft. .....pkt. 10

" **Compactus.** Similar to preceding, except that it is of more compact habit, making it more suitable for pot culture..... pkt. 20

Tigrinus. Tigered and spotted varieties..... " 10

MINA LOBATA.

A charming Mexican climber, with tube-shaped flowers produced in the greatest profusion. In color they are particularly attractive, the buds being first of a bright red, but changing through orange-yellow to creamy white when fully expanded. The foliage is very handsome, dense and luxuriant; of vigorous growth; attains a height of 12 ft.. *Annual*.....pkt. 10

MORNING GLORY.

See Convolvulus. Page 44.

Nigella.

MARVEL OF PERU.

Mirabilis Jalapa. The flowers are varied and of beautiful colors, and are produced in great abundance. The roots may be preserved throughout the winter like Dahlias. *Half-hardy annual.*

Finest mixed; 2 ft.....oz., 20; pkt. 5

NIGELLA.

(Love in a Mist.) A very interesting class of plants, with curious looking flowers and seed pods. *Hardy annual.*

Double mixed. Flowers blue and white; ½ ft.....pkt. 5

NICOTIANA.

Ornamental Tobacco. *Half-hardy annual.*

Affinis. Sweet-scented, pure white star-shaped flowers, three inches across, blooming continually in the green-house in winter or when bedded out in summer.....pkt. 5

Macrophylla Gigantea. Of gigantic proportions; flowers of a deep red color .....pkt. 5

Colossea. An immense variety..... " 20

NOLANA.

Very pretty trailing plants, with convolvulous-like flowers; excellent for rustic work or hanging baskets. *Hardy annual.*

Fine Mixed.....pkt. 5

MIGNONETTE.

Within recent years Mignonette has been immensely improved in size, and several distinct tints have been selected. These have been saved with such care that an agreeable variety of this fine old favorite is now available for the garden and for pot culture. The following are *hardy annuals.*

Sweet Scented.....oz. 15c., pkt. 5

Machet. A dwarf and compact growing variety, with large flowers of a deep reddish crimson; the most popular variety for pot culture..pkt. 10

Golden Machet. This handsome Mignonette is practically identical with the red Machet, except that the long spikes are covered with golden yellow blossoms.....pkt. 10

Crimson Queen. Robust in habit, with very large spikes of handsome red flowers.....pkt. 5

Golden Queen. Large flowered; a handsome dwarf variety, flowers golden yellow; a free bloomer.....pkt. 5

Myles' Hybrid Spiral. Habit dwarf and branching, flowers large. The odor of this variety is superior to any other.....pkt. 5

Parson's White Flowering. The flowers are almost pure white, of the most exquisite fragrance.....pkt. 5

Machet Mignonette.

Nemophila.

Defiance. Spikes of remarkable size and deliciously fragrant; the individual florets are very large, standing out boldly; its keeping qualities are extraordinary.....pkt. 10

Large Flowering Pyramidal or Tree. This plant is more vigorous than the old variety, the stems stronger, and with proper treatment the so-called *Tree Mignonette* will be obtained.....pkt. 5

NEMOPHILA.

This is one of the most charming and generally useful of the dwarf-growing *hardy annuals;* all the varieties have a neat, compact and uniform growth, comprising varied and beautiful colors, admirably adapted for edging, etc. *Hardy annual.*

Insignis. Deep blue, with white centre; ¾ ft.....pkt. 5
Choice Mixed. Many sorts.....“ 5

NASTURTIUM—Tall or Climbing Varieties

Climbing Nasturtiums are admirably adapted for covering trellises, fences, tree trunks and the like. The flowers, cut, are very useful and handsome for house decoration. The seed, if picked young, is an excellent substitute for capers. *Annual.*

Dark Red.....pkt. 5 | **Yellow**.....pkt. 5
Fine Mixed, all colors.....oz., 10c., “ 5

Lobbianum. The leaves and flowers are somewhat smaller than the ordinary Tall Nasturtium; the flowers, however, are produced in greater profusion. Mixed colors.....oz. 20c., pkt. 5

Madame Gunter New Hybrids. This new section is distinguished by its dark foliage and richness of color, not to be found in any of the different classes already grown. There are shades of rose, salmon, bright red, pale yellow, etc., either self-colored, spotted or striped. Its free and continued flowering makes it a useful and popular climber.

All colors, mixed.....oz. 40c., pkt. 10

Tall Chameleon. This interesting new variety presents a most unusual feature, which is that the flowers are of different colors on the same plant. For full description of this new acquisition, see Novelties, page 31.....pkt. 10

NEW LILIPUT.

The plants of this new variety are in every respect smaller than the Tom Thumb, and the dainty little flowers, which appear in the most various and showy colors, are produced in the greatest profusion and jauntily peering up well above the small cut and bushy foliage, make it one of the prettiest annuals imaginable.....pkt. 10

New Hybrids—Madame Gunter.

BRUCE'S PEERLESS COLLECTION OF NASTURTIUMS

Contains six of the finest dwarf sorts, viz: Aurora, Beauty, King Theodore, King of Tom Thumb, Prince Henry, Crystal Palace Gem, and two of the tall or climbing varieties, Lobbianum and Tall Mixed; all separate and true to name. Mailed, postage paid, to any address for 25 cents.

NASTURTIUM—*Continued.*

Nasturtiums are probably the most popular flower grown from seed.

DWARF OR TOM THUMB VARIETIES.

A charming class; unrivalled in beauty and effect; blooming from June until late in the fall; they require little care, and will flower profusely on the poorest soil. *Hardy Annual.*

New Chameleon. For description of this remarkable and charming new variety see Novelties, page 34 ..... pkt. 10
Aurora. Salmon rose, mottled blush white, garnet blotches ..... pkt 5
Beauty. Light scarlet, splashed canary ..... pkt. 5
Cloth of Gold. Foliage bright golden yellow, with scarlet flowers; distinct and pretty ..... pkt. 5
Crystal Palace Gem. Sulphur, spotted with maroon ..... pkt. 5
Empress of India. The flowers are of a brilliant crimson ..... pkt. 10
Golden King. Deep, golden yellow, maroon blotches; extra ..... pkt. 5
King of Tom Thumbs. Foliage is a beautiful blue green, with intense scarlet flowers ..... pkt. 5
King Theodore. Blue green foliage, flowers dark maroon ..... pkt. 5
Prince Henry. Light yellow, spotted and marbled with scarlet ..... pkt. 5
Pearl. Cream white ..... pkt. 5
Rose ..... " 5
Scarlet. Very showy ..... " 5
Yellow. Fine canary ..... " 5
Tom Thumb. Fine mixed, all colors .. oz. 15c., " 5

ŒNOTHERA.

A free-flowering and useful class of plants for beds or borders.

Acaulis. Handsome, large, white-flowered variety. *Hardy Annual;* ¾ ft ..... pkt. 5
Macrocarpa. Very large, golden yellow flowers. *Hardy perennial.* " 5

OXALIS.

Beautiful small plants, suitable for the green-house, rock-work, baskets, or out-door culture, flowering the first year, if sown early; blooms in clusters; 9 inches. *Half-hardy Perennial.*

Tropæoloides. Yellow; very pretty ..... pkt. 10
Fine Mixed ..... " 10

PANSY.

(Heartsease.) This lovely flower, a favorite with everyone, is too well known to need any description. Seed sown in August or September, and kept in cold frames through the winter and planted out in the spring, will blossom abundantly the whole season; for summer and fall blooming sow from January to June. The Pansy delights in loamy soil, enriched with thoroughly decayed cow manure. The seed we offer has been saved from celebrated collections in Europe, and will not fail to give perfect satisfaction. *Hardy perennial.*

Bruce's Premium. In our premium Pansy we offer a strain that ranks *second to none* for size of bloom, matchless form and substance; the flowers are beautifully blotched and pencilled with rich and striking colors ..... pkt. 25
Bugnot's. The flowers of this variety are of immense size, symmetrical in shape, petals thick and beautifully marked. Every lover of Pansies should give it a trial ..... pkt. 25
Cassier's Five-Blotched. A new and beautiful strain, perfect in size and form ..... pkt. 25
Paris Market. The flowers of this celebrated French strain are of a large size, and produce a great diversity of the handsomest and rarest colors; a favorite with those that grow for market ..... pkt. 15
Giant Trimardeau. Flowers of immense size and beautifully marked; mixed colors ..... pkt. 10
Giant White. An extra large white variety, with purple eye ..... pkt. 10
Giant Yellow. Yellow, with large, black eye; one of the finest and showiest varieties ..... pkt. 10
Giant Striped. Extra large flowers of various shades and stripes ..... pkt. 10
Peacock. Large peacock-blue flowers with white margin; very pretty ..... pkt. 10
Red and Red Shades. New and popular shades of red and brown; a superb mixture ..... pkt. 10
King of the Blacks or Faust. Flowers intensely black ..... pkt. 10
Lord Beaconsfield. Grand color, purple-violet, shading off, in the top petals only, to a whitish hue ..... pkt. 10
Snow Queen. Satin white; very pretty ..... pkt. 10
Very Fine Mixed. All colors ..... pkt. 10
Fine Mixed. All colors ..... oz. $1.00, " 5

COLLECTIONS—IMPORTED GERMAN.

Twelve choice varieties 75
Six choice varieties 50

Mrs. B. W. Tillson, Bracebridge, says: "Your Royal Nosegay Sweet Peas were the admiration of the neighborhood."

PENTSTEMONS.

The Pentstemons are amongst the best *hardy perennials.* The flowers are large and beautifully marked, tubular in shape and produced in handsome spikes.

Choice mixed.....pkt. 10

PETUNIA.

A very profuse flowering, easily cultivated garden favorite, for outdoor cultivation. In summer there is scarcely a class of plants equal to this; it commences to bloom early and continues a mass of bloom the whole season. It is also very effective in pots for green-house or parlor decoration. *Half-hardy annual.*

SINGLE VARIETIES.

Fine Mixed. Self-colors; in great variety....oz. 75c., pkt. 5

Striped and Blotched. Unsurpassed mixture of splendid colors. Pkt. 10c.

Inimitable New Dwarf Very bushy; 5 to 6 inches high, with regular striped flowers, produced in such profusion as to fairly cover the plants; they bloom uninterruptedly for months, and are exceedingly effective, whether in masses or pots.....pkt. 10

Grandiflora Fimbriata. Single fringed varieties; flowers of very large size, of innumerable shades, colors and markings, all beautifully fringed .....pkt. 20

Petunia, Giants of California.

Intus Aurea. Large flowered, yellow-throated; remarkably fine and distinct; a magnificent variety; all colors mixed.....pkt. 20

Giants of California. A California strain of incomparable beauty. The flowers are of enormous size (4 to 5 inches across), and are produced in a wonderful variety of colors, markings, etc., including many charming and delicate shades.....pkt. 25

Double Petunia.

DOUBLE VARIETIES.

Double Petunia. Splendid mixed. In this mixture will be found the best strain of large flowering, striped, blotched and fringed double Petunias, especially remarkable for the rich color and large size of the flowers, of which about 30 per cent. will be double. Pkt..... 25

COLLECTIONS—Finest Imported.

Single-Fringed. In four choicest varieties..... 50

Double-Fringed. In six finest large flowering varieties..... 1 00

PHLOX DRUMMONDII.

This genus is unrivalled for richness and brilliancy of color, profusion and duration of bloom, which renders them of valuable service in the general flower garden; in fact, a finer sight than a bed of Phlox Drummondii is rarely to be seen. *Hardy annual.* Height, 1½ ft.

Fine Mixed, all colors.....oz. 75c., pkt. 5

LARGE FLOWERED PHLOX.

Pure White.....pkt. 10

Coccinea. Scarlet.....“ 10

Splendens. Crimson.....“ 10

Rose. White eye.....pkt. 10

Yellow. Garnet eye.....pkt 10

Stellata Splendens. Crimson, with white star in centre.....“ 10

Finest Mixed. All colors.....oz. $1.00, “ 10

Collection (imported) of six separate colors.....pkt. 50

“ “ of twelve separate colors.....“ 75

NEW STAR PHLOX.

Cuspidata. Very distinct and pretty. The flowers are deeply serrated and petals pointed, giving them a star-like appearance.....pkt. 10

DWARF PHLOX.

Nana Compacta. Grows about six inches high. Fine mixed...pkt. 10

DOUBLE PHLOX.

White. Sixty per cent. of the seedlings produce double flowers; fine for cutting.....pkt. 10

Scarlet. Flowers semi-double; very pretty.....“ 10

Yellow. This pretty double yellow flower possesses a slight perfume. It is worthy of note that in order to produce the best double flowers these Phlox should be grown in light soil.....pkt. 10

One pkt. each of the three separate colors for 25c.

HARDY PERENNIAL PHLOX.

Decussata. This charming hardy Phlox should have a place in every garden.

Fine mixed, all colors .....pkt. 10

Phlox Drummondii

POPPY.

A tribe of showy, free-flowering plants, with large and brilliant colored flowers; well adapted for large mixed borders and shrubberies. *Hardy annual.*

DOUBLE VARIETIES.

Double Carnation Flowered. A magnificant class, with large globular flowers, the feathery petals being beautifully fringed; height, 2 ft. Mixed colors.....pkt. 5

Double Pæony Flowered. The flowers of this variety are of immense size, very double and broad-petaled. Mixed colors.....oz. 20c., pkt. 5

Double French Ranunculus Flowered. Handsome and free-blooming; the flowers are very double and of every imaginable shade of color; height, 2 ft..pkt. 5

Snow Drift. Pure white; finely fringed.....“ 5

White Snow. Pure white; beautiful.....“ 5

Mikado. White, fringed crimson.....“ 5

Double Mixed Garden Poppies. This choice mixture includes all the above, affording the greatest variety at the lowest price.....oz. 20c., ½ oz. 15c., pkt. 5

PERENNIAL VARIETIES.

Iceland. A beautiful class of dwarf *perennial* poppies, which, if sown early, will bloom the same year. They are bright and showy, forming tufts of brilliant blossoms, borne on slender stalks about a foot high.....pkt. 10

Giant Oriental. Dark red; extra fine.....“ 10

Shirley Poppies.

SINGLE VARIETIES.

Shirley. A beautiful strain, with single flowers of many colors; for bedding they cannot be excelled....pkt. 5

Tulip. The plant is from 12 to 14 inches high, and produces flowers of the most vivid scarlet imaginable. The two outer petals of the flower bears a similarity to a saucer, in which are set two erect petals of the same color.....pkt. 10

PINKS. See Dianthus, Page 45.

PRIMULA OR CHINESE PRIMROSE.

One of the finest winter and spring blooming plants; of easy culture, blooming at a season of the year when flowers are generally scarce; they are indispensable for conservatory and house decoration. The seed we offer has been selected with great care from some of the finest strains, and we can with confidence recommend it. *Green-house perennial.*

White. (Fimbriata Alba Grandiflora.) The standard white; very fine.....pkt. 25

Alba Magnifica. Superb large flower, with bright yellow eye; beautifully fringed, and borne in large trusses well above the foliage; finest white Primula grown..pkt. 50

Snow Queen. Snow-white flowers of good size and substance, and exquisitely fringed.....pkt. 25

Purity. A strong-growing variety, with distinct red stems; flowers are large, pure white, with sulphur eye..pkt. 25

Violet Queen. The finely fringed flowers, which are borne well above the foliage, are of an exquisite shade of violet, bordered with pure white.....pkt. 50

Rose. Bright rose; a superb variety.....“ 25

Rubra. Rich red flowers, elegantly fringed.....“ 25

Rubra Violacea. Violet crimson flowers; splendid “ 50

Empress. A magnificent strain; the flowers, which are borne well above the foliage, are of a rich, deep velvety red color, beautifully fringed.....pkt. 50

Striped. White, striped with red.....“ 25

Royal Blue. The finest of the blues.....“ 50

Bruce's Superb Mixed. This embraces all the finest shades of color.....pkt. 25

Fern-leaved Mixed. Fern-like foliage, finely fringed flowers.....pkt. 25

New Giants. A magnificent class of Primula of immense size; the flowers, which include many new shades of color, are borne well above the foliage, are beautifully fringed and of great substance.....pkt. 50

MIXED DOUBLE VARIETIES

Embracing beautiful shades of magenta, scarlet, rose and white. The large double and semi-double flowers are invaluable for cutting during the winter months, when other flowers are generally scarce.....pkt. 50

PRIMULA OBCONICA GRANDIFLORA.

While blooming as freely and constantly as the old Obconica, the flowers of this new variety are much larger; they vary in color from pure white to bright rose, making a very attractive pot plant; sown in February or early spring will bloom uninterruptedly from middle of May....pkt. 25

PRIMULA FORBESI.

A very important addition to the *Perpetual Flowering* section of Green-house Primulas, for, like Primula Obconica, this species begins to flower in babyhood and continues a mass of bloom all the year round. Each flower stem bears 3 to 6 whorls of pale rosy lilac flowers, smaller than those of Obconica, but much more charming and graceful...pkt. 25

PRIMULA JAPONICA.

This beautiful Primrose is quite hardy, growing about 1¼ feet in height, producing from its tuft of robust leaves a stem bearing four or five separate tiers of whorls of charming flowers, each flower being an inch in diameter and of splendid magenta color. *Half-hardy perennial*.....pkt. 10

PRIMROSE—POLYANTHUS.

Splendid free-flowering plants, either for pot culture or open border. *Hardy perennial.* Height, ½ ft.

Gold Laced. Splendid mixed, from stage flowers..pkt. 10

Hose in Hose. One of the most beautiful strains of this old garden favorite, and one of the gems of English cottage gardens.....pkt. 20

Fine Mixed, border varieties.....“ 10

Chinese Primrose.

PRIMROSE.

Mixed Hybrids. Flowers of these new Hybrids are produced in all shades of color varying from white to crimson .....pkt. 10

Yellow. The old-fashioned favorite..... " 5

Double Portulaca.

PORTULACA.

For brilliant, beautiful and gorgeous colors this charming genus stands unrivalled; and whether in baskets, small beds, edgings or rock work, its large, splendid flowers, produced in the greatest profusion, are extremely effective; succeed best in light, gravelly soils and a warm situation. *Hardy annual.*

Single. Mixed colors; ½ ft.....oz. 60c., pkt. 5

Double. Mixed, extra fine; ½ ft..... " 10

PYRETHRUM.

Handsome free-blooming plants with Aster-like flowers; fine for bouquets. *Hardy perennial.*

Double Varieties. Finest mixed.....pkt. 15

YELLOW LEAVED SORTS.

Well-known dwarf growing plants, extensively used for bedding purposes.

Golden Feather (Aureum). Very popular.....pkt. 5

Fern Leaved. Distinct and pretty; foliage golden yellow. Pkt..... 10

Feverfew. See Matricaria, page 49.

SAPONARIA.

Of these beautiful little plants it is impossible to speak too highly. They carpet the ground with their beautiful star-shaped flowers during the summer and autumn months; for edging they are unequalled, bearing cutting back if necessary. *Hardy annual.*

Calabrica. Rich deep pink; ½ ft.; oz.....50c., pkt. 5

SALPIGLOSSIS.

Highly ornamental and remarkably beautiful summer blooming plants. Their curiously pencilled and marbled funnel-shaped flowers produce a fine effect in beds, borders, edgings, etc. *Haray annual.*

Finest Mixed. Large flowering sorts. Beautiful colors; 1½ ft. oz. $1.50, pkt. 5

New Emperor Salpiglossis. For description see page 35.....pkt. 15

Salpiglossis.

ROCKET.

Very pleasing early spring flowers, profuse blooming plants, with deliciously fragrant flowers. *Hardy perennial.*

Purple and White. 1½ ft., each.....pkt. 5

RHODANTHE.

One of the handsomest everlastings for winter bouquets. The flowers require to be gathered when young and dried in the shade; succeeds best in a light, rich soil, and warm, sheltered situation. *Half-hardy annual.*

Mixed.....pkt. 5

RICINUS.

See Castor Oil Beans, page 41.

ROSA MULTIFLORA NANA.

Liliput Roses. This new dwarf Polyanthus Rose flowers the first season from seed. The flowers are single, semi-double and double, are of perfect form, and are produced in every color exhibited by other roses. The plants grow only about 15 inches high, forming very neat, compact bushes about 3 feet in circumference.....pkt. 10

SOLANUM.

One of the most beautiful classes of ornamental fruit bearing plants in cultivation. *Half-hardy perennial.*

Capsicastrum. (Miniature Orange Tree). Covered with a profusion of orange fruit; 1½ ft..... pkt. 10

Pseudo Capsicum. (Jerusalem Cherry). Orange scarlet fruit; 1½ ft.....pkt. 10

SENSITIVE PLANT.

(Mimosa). Very curious and interesting plants, their leaves closing if touched or violently shaken; may be grown out of doors, in a warm situation; grow in peat or loam; 1 ft. *Half-hardy annual*.....pkt. 5

SNAPDRAGON.

See Antirrhinum, page 37.

SALVIA.

(Flowering Sage). Well-known for their brilliant colors; no plants can be finer for bedding. They are easily grown, free-flowering and showy. *Perennial* .....pkt. 5

Splendens. Brilliant scarlet flower; a magnificent variety; 3 ft.....pkt. 10

Splendens Compacta. In habit more dwarf and compact than above; flowers intense scarlet; unsurpassed for bedding and pots; 2 ft.....pkt. 15

Patens. Handsome large deep blue velvety flowers; highly recommended; 2 ft.....pkt. 15

Coccinea. Scarlet, very showy; 1 ft..... " 5

SMILAX.

A well-known green-house plant; largely used by florists for table and house decorations; flowers white.....pkt. 10

SWEET SULTAN.

Very showy, fragrant and most useful for bouquets. *Hardy annual.*

Yellow. Large bright yellow flowers; very pretty.....pkt. 5

Mixed. Purple and white; ½ ft. " 5

STOCKS.

The Stock is one of the most popular, beautiful and important of our garden favorites. Whether for bedding, massing, edging, or ribboning, it is unsurpassed either for brilliancy or diversity of color, or duration of bloom. *Half-hardy annual.*

(Continued on next page).

STOCKS—*Continued.*

SUMMER FLOWERING TEN WEEK VARIETIES.

Fine mixed ..... oz. $1.50 ; pkt. 5
Choice Double mixed. Large flowered sorts, extra fine ..... " 10
Pure White ..... " 10
Royal Gem. Rich dark crimson ..... " 10
Giant Perfection. Choice mixed ..... " 10
Giant or Tree. Choice mixed ..... " 10
Princess Alice. (Improved Giant White Dresden Perpetual or Branching.) This magnificent stock produces enormous spikes of large Double White flowers ; splendid for cutting ..... pkt. 10
Triumph. Brilliant Scarlet ..... " 10
Snowflake. White forcing ; a grand variety ..... " 25
Collection, Large Flowering. Twelve finest colors 75
" **Giant Perfection.** Six finest colors 50

BIENNIAL STOCKS.

Brompton, Snow White. Shining leaves ; large flowered early variety of dwarf compact habit ; producing 70 per cent. of very double pure white flowers ..... pkt. 20
Brompton Scarlet. Covent Garden variety ..... " 20

EAST LOTHIAN INTERMEDIATE STOCKS.

These stocks when properly cultivated are acknowledged to be the best of all intermediate varieties ; the purity and constancy of their respective colors, their continuous blooming, and great percentage of double flowers which they produce, renders them most valuable for garden or pot culture.

Scarlet and White. Each ..... pkt. 25
Snow White Wall-flower Leaved ..... " 25

SCABIOSA.

Sweet Scabious. The flowers are double, remarkably handsome and very richly colored, crimson, purple, pink and lilac shades predominating ; splendid for cutting. *Hardy annual.*

Dwarf Mixed. Double, all colors ; 1 ft ..... pkt. 5
Tall mixed. Large flowered, double varieties ; 2 ft ..... oz. 30c. ; " 5
Double White. Snowball, extra ; 2 ft ..... " 5
Double Yellow. A new color ; very pretty ..... " 5
Caucasica. One of the handsomest of *hardy perennials*, especially valuable for cutting, the bloom lasting a long time in water ; lilac-blue ; 3 ft ..... pkt. 10

Sweet Scabious.

SUNFLOWER.

(Helianthus). Very showy plants ; remarkable for their stately growth, and the brilliancy and size of their flowers, and well adapted for large shrubbery borders, or round the margin of lakes or ponds. *Hardy annual.*

Miniature Sunflower.

SINGLE VARIETIES.

New Miniature. Of dwarf branching habit, producing an abundance of small flowers of a bright golden yellow, with dark centre ; one of the finest ; 3 ft ..... pkt. 5
Variegatis. Foliage green and white ; 4 ft ..... " 5
Giant Russian. Very large ; 8 ft ..... " 5
Primrose Dame. Sulphur yellow, with black centre ; 6 ft. " 5
Uniflorus. Very tall, enormous flowers ; 10 ft ..... " 5

DOUBLE VARIETIES.

Many-flowered Double. Handsome and ornamental ; it grows erect, about 4 feet in height, with only a single stock, but at each leaf-joint is a very short stem, terminating in a fine double flower. The terminal flower is the largest, being from 6 to 8 inches in diameter. From this they taper in size very gradually toward the base of the plant where they are only 3 to 4 inches in diameter. Bearing so many flowers to each plant they yield a large supply of seed, which is excellent for feeding to poultry during the winter. Thus it will prove useful as well as decidedly ornamental ..... pkt. 5
Dwarf Double. Very attractive ; 4 ft ..... pkt. 5
Tall Double. Large bright yellow flower ; 5 ft ..... " 5
Globosus Fistulosus. Handsome large flowered ; 5 ft .. " 5
Green Centered. Bright yellow, with green centre ; 4 ft .. " 5

Sweet Peas

These lovely and deliciously perfumed flowers have become exceedingly popular. When cut for filling vases the blooms will last for days. The seed should be sown *as early as the ground can be worked* in the spring, to enable the vines to get a good strong growth before the warm weather comes. Prepare the ground by thoroughly working in a large quantity of well-rotted manure. Make a trench 6 inches deep; in this sow the seed and cover 2 inches deep. As soon as the plants begin to show through, fill in the trench. This will secure a deep planting without the bad effect of deep covering of the seed at first, and so enable the plant to bloom continually through the heat of summer. As fast as the flowers come into full bloom or fade, they should be cut off, for if the pods are allowed to form the plants will stop blooming. Seed may also be sown with great advantage late in the autumn.

A CAREFULLY REVISED LIST OF THE BEST NEW AND STANDARD VARIETIES.

The varieties marked (*) are Eckford's Large Flowering Hybrids.

America. Bright cardinal stripe on pure white ground. Pkt. 5c., oz. 10c.

Aurora. The flowers, which are *gigantic in size,* are borne three or four on a stem; the color effect is gorgeous. Both standand and wings are flaked and striped on a white ground, with *bright orange-salmon.* Pkt. 5c., oz. 10c.

***Blanche Burpee.** Pure white, of exquisite form and immense size; it usually bears three flowers on a stem; a very chaste variety and highly recommended. Pkt. 5c., oz. 10c.

Blanche Ferry. Flowers large, pink and white, very fragrant; a free bloomer Pkt. 5c., oz. 10c.

Blanche Ferry. Extra early, fully ten days earlier than preceding. Pkt. 5c., oz. 10c.

***Black Knight.** New. See Novelties, page 57.

***Blushing Beauty.** A delicate soft pink; splendid. Pkt. 5c., oz. 10c.

Brilliant Bright scarlet. Pkt. 5c., oz. 10c.

California. Light flesh pink. Pkt. 5c., oz. 10c.

***Captivation.** Rosy purple self, shell-shaped standard; distinct and beautiful. Pkt. 5c., oz. 10c.

Celestial. Delicate azure blue. Pkt. 5c., oz. 10c.

***Chancellor.** New. See Novelties, page 57.

***Colonist.** New. See Novelties, page 57.

***Countess of Powis.** New. A glowing orange, suffused with light purple. In size and color this flower is unique. Pkt. 5c., oz. 15c.

***Countess of Radnor.** Standards open a pale reddish mauve, which fades into a soft lavender; wings pale li ac; extra. Pkt. 5c., oz. 10c.

Coronet. Orange rose, striped on pure white; a beautiful flower. Pkt. 5c., oz. 10c.

Coquette. Light primrose, yellow shaded, pale lavender. Pkt. 5c., oz. 10c.

***Dorothy Tennant.** Rosy mauve; a handsome flower. Pkt. 5c., oz. 10c.

***Duke of Clarence.** Large, rosy-claret. Pkt. 5c., oz. 10c

***Duke of Sutherland.** New. See Novelties, page 57.

***Emily Eckford.** Rosy mauve, changing to an almost true blue; extra. Pkt. 5c., oz. 10c.

Emily Lynch. Deep rose-pink, shaded buff. Pkt. 5c., oz. 10c

Emily Henderson. Pure white, extra fine. Pkt. 5c., oz. 10c.

***Firefly.** Bright crimson scarlet. Pkt. 5c., oz. 10c.

Golden Gleam. An improved yellow, of pronounced primrose tint. The flowers are large, finely formed, handsome and effective. Pkt. 5c., oz. 10c.

Gorgeous. New. Standard rich orange-salmon; wings deeper shade. An improved Meteor. Pkt. 5c., oz. 20c.

Juanita. White ground, striped lavender. Pkt. 5c., oz. 10c

Katharine Tracy. Soft but brilliant rose. Pkt. 5c., oz. 10c

***Lady Beaconsfield.** Standard salmon pink; wings primrose yellow. Pkt. 5c., oz. 10c.

***Lady Mary Currie.** New. See Novelties, page 57.

***Lady Nina Balfour.** New. The most delicate mauve imaginable, beautifully shaded with a charming dove grey, which gives a most captivating charm to the whole flower. Pkt. 5c., oz. 15c.

***Lady Penzance.** Delicate rose-tinted orange. Pkt. 5c., oz. 10c.

***Lottie Eckford.** Flowers large, standard white, shaded mauve; wings white, blue edged; very handsome. Pkt. 5c., oz. 10c.

Lottie Hutchins. New. Cream ground, daintily flaked with pink. Pkt. 5c., oz. 15c.

Lovely. Soft shell-pink, wings delicate rose. Pkt. 5c., oz. 10c.

Maid of Honor. Beautiful flowers, shaded light blue on a white ground and edged with violet. Pkt. 5c., oz. 10c.

SWEET PEAS—*Continued.*

***Mars.** Bright, fiery crimson, deepening with age. A large, finely expanded, bold flower of the most beautiful form. Pkt. 5c., oz. 10c.

Meteor. Bright orange salmon, tinted with delicate pink. Pkt. 5c., oz. 10c.

Mikado. Deep orange-cerise ground, striped white; of exquisite form and good size. Pkt. 5c., oz. 10c.

Modesty. Blush white; flowers large and unusually long stemmed. Pkt. 5c., oz. 15c.

***Mrs. Eckford.** Delicate primrose yellow; exquisite. Pkt. 5c., oz. 10c.

***Mrs. Joseph Chamberlain.** Flowers extra large; color white, heavily striped and flaked with bright rose. Pkt. 5c., oz. 10c.

Navy Blue. New. See Novelties, page 35.

New Countess. Undoubtedly the best lavender. Pkt. 5c., oz. 10c.

Oriental. Cream color, heavily veined with orange salmon. Pkt. 5c., oz. 15c.

***Prima Donna.** A most lovely shade of soft pink, of large size and fine form; *a great gem;* very frequently bears four flowers on a stem, which are extremely prettily placed. Pkt. 5c., oz. 10c.

***Prince Edward of York.** Finely expanded standards of a charming shade of scarlet, and large wings of the deepest rose color. Pkt. 5c., oz. 15c.

***Prince of Wales.** New. See Novelties, page 57.

***Queen Victoria.** Color, soft yellow subtly overlaid with faint purple, imparting a lustre most desirable but difficult to describe. Pkt. 5c., oz. 15c.

Ramona. A creamy white, daintily splashed and striped with pale pink on both wings and standard. Pkt. 5c., oz. 10c.

***Royal Robe.** Standards a rich but delicate pink; wings a soft blush pink; an exquisite variety. Pkt. 5c., oz. 10c.

***Royal Rose.** The standards deep rosy pink; the wings a light rosy pink; almost a self-colored flower. Pkt. 5c., oz. 10c.

***Sadie Burpee.** New. See Novelties, page 35.

***Salopian.** A superbly beautiful variety. Color, deep crimson tinged with mulberry red suffused with rich orange scarlet; flowers large, finely formed, and handsome; without doubt the very finest red. Pkt. 5c., oz. 10c.

***Shahzada.** A decided advance in the direction of dark colored Sweet Peas. The color, rich dark maroon with a shade of purple, is most distinct and attractive. Pkt. 5c., oz. 10c.

***Stanley.** Deep maroon; flowers large. Pkt. 5c., oz. 10c.

Stella Morse. Deep cream with blush pink edge. Pkt. 5c., oz. 10.

The Bride. The especial merit claimed for this new American White Sweet Pea is in its length, strength and grace of flower stem, and the disposition of the blooms thereon, being one of the best sorts in these respects, and forming an exceedingly graceful bunch. It is also the strongest germinator amongst all white seeded varieties, so often poor growers. Pkt. 5c., oz. 10c.

***Triumph.** Bright orange pink; the wings white, slightly flushed with delicate purple; a perfect flower. Pkt. 5c., oz. 10c.

***Venus.** Salmon-buff; magnificent flower. Pkt. 5c., oz. 10c.

***Waverley.** Standard rosy-claret, wings light blue. Pkt. 5c., oz. 10c.

Wawona. Heliotrope. Distinctly striped with white. Pkt. 5c., oz. 10c.

Dwarf White Sweet Pea—Cupid. Grows only 5 inches high; the flowers are large, of good form and substance. For edgings, beds and for pot culture it is unique and pretty. Pkt. 5c., oz. 10c.

New Dwarf Sweet Pea—Pink Cupid. In habit and manner of growth it is strictly a Cupid, spreading from the root, from a foot to eighteen inches around, growing from six to eight inches high, and shooting up stems about six inches long, which bear in full bloom at once, from *three to four handsome blossoms.* The standard of the flower is a bright rose pink, while the wings are pure white or light pink. The plant is vigorous and hardy, *easy to grow anywhere.* The seed, which is *black*, is of wonderfully strong germination, and the plant an early bloomer, coming into bloom simultaneously with White Cupid. Pkt. 5c., oz. 20c.

SWEET PEAS IN MIXTURE.

Bruce's Choice Mixed. This superb mixture is a choice blending (mixed by ourselves) from named varieties only, including many of Eckford's best, insuring a most satisfactory result in colors, and vastly superior to the ordinary mixture sold, which usually contain a large proportion of dull colors. Pkt. 5c., oz. 10c., ¼ lb. 25c., lb. 75c.

Good mixed.....¼ lb. 15c., lb. 50c.

NEW SWEET PEAS.

ECKFORD'S NOVELTIES, 1899.

Black Knight. This is one of the finest flowers, the color being absolutely a deep maroon self, clear and shining, the standard bearing a bright metallic polish, flowers well expanded, also well placed on the long stout stem; the plants are of vigorous growth and very free flowering. Pkt. 5c., oz. 20c.

Chancellor. Standards bright orange, wings bright orange-pink just a shade lighter than the standards; it is really a self-colored flower of intense glowing color, grand form, good substance, large size, usually three-flowered, well placed on long stout stems. Pkt. 5c., oz. 20c.

Colonist. This is a lovely flower of fine form and substance, usually three-flowered, nicely arranged on long, stout stems; the growth is extremely vigorous, very free flowering, the rows being literally covered with bloom of the most beautiful soft lilac, overlaid with the brightest rose. Pkt. 5c., oz. 20c.

Duke of Sutherland. Deep claret with a deeper flush of maroon on the back of the standard; the wings are of a bright indigo-blue throughout. With age the whole flower becomes of the same rich and bright indigo-blue as the wings; a very effective color and quite distinct. Pkt. 5c., oz. 20c.

Lady Mary Currie. A deep orange-pink, delicately shaded rosy lilac, a most charming flower of exquisite brilliancy; it has been much admired wherever shown and is likely to become one of the greatest favorites. Pkt. 5c., oz. 20c.

Prince of Wales. A bright rose-self of intense color and fine bold form, also a grand substance, bearing three and frequently four flowers well placed on long, stout stems; a most desirable addition, being extremely free flowering and quite unique in color: has received much admiration during the past summer. Pkt. 5c., oz. 20c.

SWEET PEAS IN COLLECTIONS.

BRUCE'S ROYAL NOSEGAY.

One packet each of the Ten Superb Varieties shown in colors on front of Catalogue and described below, mailed, postage paid, for 25 cents.

BLACK KNIGHT. (1) Deep Maroon.
EMILY HENDERSON. (2) Pure White.
QUEEN VICTORIA. (3) Yellow, shaded Purple.
LADY NINA BALFOUR. (4) Delicate Mauve, shaded dove gray
LOTTIE HUTCHINS. (5) Cream Ground, Flaked Pink.
LOTTIE ECKFORD. (6) White, shaded Mauve, blue edged.
LOVELY. (7) Soft Shell Pink.
GORGEOUS. (8) Orange.
SALOPIAN. (9) Crimson.
WAVERLEY. (10) Rosy Claret.

The figures after each variety correspond with the numbers on the illustrations on cover of Catalogue.

The Varieties in above Unequalled Collection have been specially selected to give the greatest diversity of the choicest and most striking colors.

NOVELTY COLLECTION—The best Six of Eckford's 1899 Set.

BLACK KNIGHT. PRINCE OF WALES. DUKE OF SUTHERLAND. COLONIST. CHANCELLOR. LADY MARY CURRIE.

These six beautiful varieties, each separate and true to name as described, postpaid, for 25c.

SWEET WILLIAM.

Dianthus Barbatus. Well-known and popular *biennial;* of easy culture. The plants are hardy and of a vigorous growth; the flowers sweet-scented, borne in profusion, are of extreme richness and variety of color.

Hunt's Perfection. Splendid strain.....pkt. 5
Dunnett's. Double mixed..... " 5
Fine Mixed.....oz. 30c., " 5

Sweet William.

THUNBERGIA.

Handsome, free-flowering and rapid growing climbers, for the conservatory or out-door cultivation. *Half-hardy annual.*

White, with dark eye.....pkt. 5
Orange, with dark eye..... " 5
Pure White.....pkt. 5 | Choice mixed..... " 5

TORENIA.

A very fine *annual*, forming a splendid plant for vases, hanging baskets, green-house, or for growing out of doors.

Fournieri. Large sky-blue flowers, with three spots of dark blue, and bright yellow centre.....pkt. 10
White Wings. An attractive pure white variety..... " 10
Bailloni. Golden yellow, with brown-red throat..... " 10

Verbena.

TRIFOLIUM ODORATUM.

Sweet Scented Clover. Very fragrant; 2 ft. *Hardy perennial.*pkt. 5

VALERIAN.

Very showy border plants, with large umbels of light colored flowers. *Hardy perennial.*

Fine mixed.....pkt. 5

VENUS' LOOKING GLASS.

A free-flowering, pretty little plant, especially adapted for beds, edgings, etc. *Hardy annual.*

Blue and White. Mixed.....pkt. 5

VERBENA.

A universal favorite, raised from seed sown in January or February will bloom abundantly during the summer and autumn of the same year. The plants are more robust in growth, and produce more flowers than those propagated from cuttings. *Half-hardy perennial.*

Fine Mixed. All colors.....oz. $1.00, pkt. 5
Choice Mixed. From named flowers..... " 10
Striped Italian. Very fine..... " 10
Auricula Flowered. Fine mixed; beautiful strain..... " 10
New Mammoth. The plants of this variety bloom freely and are vigorous in growth. The flowers are of the largest size, and embrace all the beautiful new colors and shades.....pkt. 10
Mammoth White..... " 10
" Scarlet..... " 10
Collection. (Imported). Of six finest colors..... 60

VIOLET.

Well-known fragrant spring flowering plants. *Hardy perennial.*

White Perpetual. Very pretty; ½ ft.....pkt. 10
The Czar. Large flowered purple..... " 10

VIRGINIAN STOCK.

Extremely pretty, profuse flowering little plants; effective in small beds, baskets or edgings; grows freely in any soil. *Hardy annual.*

Red. ½ ft.....pkt. 5

WHITLAVIA GRANDIFLORA.

One of the most charming Californian plants of recent introduction; very effective for beds, ribboning or mixed borders. *Haray annual.*

Gloxinoides. Blue and white; 1 ft.....pkt. 5

WINTER CHERRY.

(Physalis Francheti.) This new plant grows from 1½ to 2 feet high, is of erect habit and covered with beautiful foliage, which shows off its brilliant seed pods to great advantage. The latter, the striking feature of the plant, are almost globular, over 2 inches in diameter, of a shining orange red tint, and enclose a cherry-like fruit of the same color. The intense color of the seed pods makes the plant very valuable for all sorts of decorative work. *Hardy perennial*.....pkt. 10

Sweet Scented Violet.

ZINNIA.

Very handsome free-flowering plants, of great richness and variety of color, which have long been general favorites. The flowers measure two to three inches in diameter, and of various shades of color, embracing purple, deep rose, light rose, mottled rose, red, orange and buff; they resemble in their outline a fine Double French Marigold, but much larger in size. *Half-hardy annual.*

Tall Double Mixed.....oz. 50c.; pkt. 5
Dwarf Double Mixed..... " 50c.; " 5
Double White..... " 5
Double Scarlet..... " 5

Giant Flowered. This variety forms a handsome bush, 3 feet in height, and the mammoth double flowers, measuring 5 to 6 inches across, are of the most brilliant colors .....pkt. 10

Lilliput Flowered. A charming new class, with small and very double flowers; excellent for bouquets; mixed colors....pkt. 10

Double Pompone. Compact plants, not over twelve inches high; very pretty..... pkt. 10

Crested and Curled. The flowers are large and double, the petals being twisted and curled into most graceful forms; all shades of color; finest mixed.....pkt. 10

Collection of six finest double varieties 50
" " " dwarf double varieties 50

Double Zinnia.

Wallflower.

BRUCE'S FINEST MIXED LAWN GRASS SEED. POSTPAID, 25c. PER LB.

WALLFLOWER.

A well-known fragrant plant. *Half-hardy perennial.*

Blood Red. 2 ft.....pkt. 5
Golden King. Fine yellow; 2 ft..... " 5
Harbinger. Very early, color brown..... " 5
Fine Mixed.....oz. 40c.; " 5
German Double. Choice mixed; 2 ft..... " 10

NEW ANNUAL WALLFLOWER.

Flowering the same season from spring-sown seed, their adaptability for pot culture and outdoor planting, with their delicious fragrant light brown flowers, should make these New Annuals general favorites..pkt. 5

SPECIAL MIXTURE OF FLOWER SEEDS FOR WILD FLOWER GARDENS

These mixed Flower Seeds embrace a great variety of such easy growing and pretty flowers as are suitable for forming a wild flower garden. They are very useful for sowing in almost any odd corner of the garden or grounds, and if kept free from weeds can be made to produce a continual display of bloom during the summer. Pkt. 10c., ½ oz. 20c., oz. 30c.

ORNAMENTAL GRASS SEEDS.

Are particularly valuable for the formation of winter bouquets, wreaths and other ornaments in connection with the everlasting flowers, for which purpose they should be cut when green, at about the time of flowering, and dried in the shade.

Those marked with an Asterisk are Perennial Species.

Agrostis Pulchella. Very beautiful.....pkt. 5
Agrostis Nebulosa. The most elegant of ornamental grasses..... pkt. 5
Briza Maxima. One of the most ornamental grasses; perfectly hardy.....pkt. 5
Briza Gracilis. Very beautiful variety from Cape of Good Hope .....pkt. 5
***Bromus Brizæformis.** Very fine grass, with elegant hanging ears .....pkt. 5
Chloris Barbata. Small growth and tassel-like. " 5
Coix Lacryma. (Job's Tears). Broad corn-like leaves .....pkt. 5
Eragrostis Elegans. An elegant, airy grass of dwarf growth .....pkt. 5
***Erianthus Ravennæ.** Extremely elegant; resembling the Pampas Grass in appearance and habit of growth; its noble plumes of silvery inflorescence are pure white and delicately beautiful; 7 ft.....pkt. 5
***Gynerium Argentum.** (Pampas Grass). The most noble grass in cultivation; flowers second season; not quite hardy here, though we have kept plants safely by covering with leaves.....pkt. 5
Hordeum Jubatum. One of the finest for bouquets.....pkt. 5
Lagurus Ovatus. (Hare's Tail Grass). Small white plumes; 1 ft.....pkt. 5
***Stipa Pennata.** (Feather Grass). Magnificent, but rather difficult to grow without heat .....pkt. 5
Tricholæna Rosea. Exceedingly pretty..... " 5

Gladiolus.

GLADIOLUS.

FOR SPRING PLANTING.

There are few flowers which produce such a gorgeous effect as this magnificent autumn flowering plant. Largely as they are used, and popular as they undoubtedly are, they deserve to be still more extensively grown. The great wealth and variety of color, the richness of their markings, the size of the flowers and the profusion of bloom, all combine to make them one of the most effective plants for the garden, either for massing or for growing as single specimens.

CULTURE.—Gladiolus are of the easiest culture. The bulbs may be planted any time from the middle of May up to the end of June. They will grow well in ordinary garden soil with almost no care whatever. The bulbs may be taken up in the fall and stored during the winter in a dry cellar away from frost.

African. Darkest crimson black, with a pure white blotch in the throat. The darkest and one of the finest colors; large flower and spike, each 10

Canary Bird. Golden yellow, pure and distinct; the best yellow " 20

Isaac Buchanan. Very fine yellow..... " 5

Pepita. Bright golden yellow flowers, slightly striped carmine at the edges or the petals towards the end of the flowering season. . . .each 10

Snow White. The only pure white, large, well-opened flowers and enormous spikes ....each 20

Childsii. A new departure in Gladiolus; in growth they are much stronger and more vigorous than the others, very tall and erect, branching freely, and with immense spikes of bloom. The flowers are of great substance, and of large size, and the coloring cannot be surpassed by even orchids. Every color known among Gladiolus, and many never before seen, are represented in this beautiful class. Each, 10c.; per doz., 75c.; per 100, $5.00.

The following are all Childsii varieties:

Adolph Glose. Large, spreading flower of a peculiar slaty blue color, with large crimson and white mottled throat. Extra fine .....each 20

Aurea Superba. Foliage of a distinct yellow color, though healthy and robust. Flowers and spikes large and of peculiar beauty. Color, soft orange-scarlet, with distinct white blotches and mottling, with white and vermillion in the throat.....each 20

Brilliant. Beautiful orange-red, with carmine and white throat. Superior to Flamboyant, Meyerbeer and other red varieties..... ..each 10

Bessie Tanner. Very large, beautiful soft rose color, with pure white throat. Exquisite.....each 20

Columbia. Light orange-scarlet, freely blotched and penciled with bluish purple. Throat freely marked, spotted and mottled.....each 10

Ethel. Beautiful soft rose color, with white and crimson throat..... ..... each 10

Elaborate. Bright fiery red, freely penciled with brilliant amaranth, and a large white throat. Very fine and showy..... ..... each 10

va. Beautiful rose, shaded and marked with slate. Throat finely mottled with various colors. ...each 10

Henry Gillman. Deep salmon-scarlet, with pure white bands through each petal; the throat showing the peculiar spotting and mottling of this class....each 10

Lael. Soft pink, with bright carmine throat, shaded with orange and having a peculiar metallic lustre. Enormous flower and spike.....each 20

Mrs. Beecher. Beautiful deep rosy crimson. Large, well-opened flower with pure white throat, freely marked and spotted with bright carmine.....each 10

Nakomis. Soft pink, blotched and shaded with orange; white and crimson throat. Enormous spikes..each 10

Princeton. Large flaming red, with violet and white mottlings in throat. Spikes of great length...each 10

Ruby. Very dark, deep ruby-red, with bright violet and white mottling in throat; an exceedingly rich color, ...each 20

Senator Childs. Large, well-opened flower, deep glowing red, with enormous white throat. Extra fine..each 20

Savannah. Deep blood red, with white mottled throat. Makes a splendid spike. .....each 10

Torch Light. Very fine spikes of large, light, flaming scarlet flowers. Throat mottled and spotted white and violet; a most brilliant and striking color.....each 10

William Falconer. Spikes of great length, and flowers of enormous size. Light pink and blush, two delicate shades, freely mottled and intermixed. Throat spotted with crimson and white.....each 10

Winthrop. Very bright scarlet. Inside of petals suffused with pure white mottlings, and with large, pure white blotches outside. Very distinct .....each 20

Wauk sha. Salmon-pink, shaded lighter inside; large, beautiful primrose throat, thickly mottled with crimson. Spikes 2 to 3 feet.....each 20

The above Collection of 25 grand separate varieties.....$3 00

Collection of 12 varieties, our selection..... ..... 1 00

Lemoine's New Hardy Hybrids. The odd and fantastic markings of these Gladiolus and their beautiful shape resemble the fascinating beauty of the orchid; yellow, crimson, white, brown, pink, etc., are blended together, producing an effect seen in no other flower. Fine mixed varieties. Each, 5c.; per doz., 50c.; per 100, $2.50.

GLADIOLUS IN SEPARATE COLORS.

These are Choice and absolutely true to Color.

White and Light. Mixed; superb. per doz., 50c.; per 100, $3.00.

Scarlet and Red. Extra fine mixed. Per doz., 40c., per 100, $2.00.

Pink. Fine pink and rose shades. Per doz., 40c.; per 100, $2.00.

Yellow and Orange. Best yellow colors. Per doz., 75c.; per 100, $5.00.

Striped and Variegated. Extra fine. Per doz., 60c.; per 100, $4.00.

All colors, finest mixed. Per doz., 25c.; per 100, $1.50.
" choice " " 15c.; " 1.00.

FLOWERING BULBS.

GLOXINIAS AND TUBEROUS BEGONIAS.

Our stock of these beautiful and interesting plants is from a celebrated Continental grower, and can be recommended with confidence. We offer dormant flowering bulbs of the following:

Gloxinias. Separate colors, pure White, Scarlet, Scarlet with white throat, Tigered and Spotted..... each 25
" Mixed colors..... " 15
Begonias. Single separate colors, White, Pink, Crimson, Scarlet, and Yellow..... " 15
" Single mixed colors..... " 10
" Double separate colors, White, Pink, Crimson, Scarlet and Yellow..... " 25
" Double mixed colors..... " 20

DOUBLE TUBEROSE.

The fragrance and beauty of the Tuberose has made it a favorite with all. It keeps in bloom for a lengthened period, and its pure white wax-like flowers are produced on long spikes. Plant in the open ground in May; the bulbs can be started much earlier in pots if desired. Place in a sunny spot in rich soil and cover the top of the bulb to the depth of an inch.

The Pearl. Large flowering roots..... Each, 5c.; per doz,, 40c.; per 100, $2 50

FINEST DOUBLE AND SINGLE DAHLIAS.

Selected from the finest collection in Canada; the tubers are large, and each will produce from two to three strong eyes. Plant when the ground is dry and warm, from middle of May to middle of June, in rich loamy soil; water frequently after planting and tie to stakes. A little pruning and thinning out will produce extra large blooms. About the middle of October take up the roots, and place on shelves in a dry cellar, free from frost. Self colors and fancy varieties, 20c. each; $2.00 per doz.

CACTUS AND POMPON DAHLIAS.

This beautiful class produces flowers of exquisite form and color, and are very valuable for table bouquets and other floral decorations. 20c. each; $2.00 per doz.

LILIES, ETC.

		Each.	Per doz.
Auratum.	(Golden Japan Lily). White ground with purple spots, flaked and striped with gold	$0 15	$1 50
Elegans.	Mixed, many colors	10	1 00
Iris German.	Mixed	10	1 00
" **Kaempferi.**	Mixed	15	1 50
Lancifolium.	Album, white Japan	20	2 00
"	Roseum, rose Japan	15	1 50
"	Rubrum, red Japan	15	1 50

		Each.	Per doz.
Madeira Vines.	Mixed	$0 10	$1 00
Pardalinum.	(Leopard)	15	1 50
Tigridia Pavonia.	Crimson, spotted tiger flower	10	1 00
Tigridia Conchiflora.	Yellow	10	1 00
Tigrinum.	(Tiger)	10	1 00
Umbellatum.	Many colors	15	1 50
Wallacei.	Bright Apricot	10	1 00

COLOCASIA (CALADIUM) ESCULENTUM.

One of the most beautiful and striking of the ornamental foliage plants, either for cultivation in arge pots or tubs, or for planting out on the lawn. 1st size,, 20c. each; $2.00 per dozen. 2nd size, 10c. each; $1.00 per dozen. Fancy leaved varieties, 20. each; $2.00 per dozen.

PATENT SIEVES.

They are easily managed and not liable to get out of repair; can be adjusted to a large number of different sized meshes. They are worth ten times their cost to every farmer.

No. 1 Sieve will separate Plantain, Daisy, Buckhorn, Wild Carrot, etc., from Clover Seed; Red Top and Plantain from Timothy, and Timothy from Clover Seed. Price, each, here..... $1.75

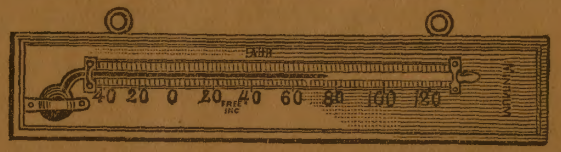
No. 2 will separate Rye, Cheat and Cockle from Wheat. Price, each, here..... $1.75

SILKALINE

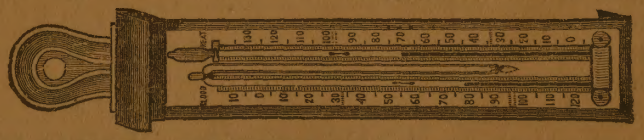
For florists, for stringing Smilax and other trailing plants. It is very strong, and a fast color; color green, and does not fade; made in three sizes, fine, medium and coarse. 2 oz. spools, 25c. each; per lb., $1.75; postpaid, $2.00 per lb.

THERMOMETERS.

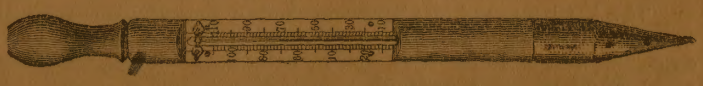
PLAIN, 25 to 50c. NICKEL CASES, $1.00 EACH.



MINIMUM REGISTERING, 75c. EACH.



MAXIMUM AND MINIMUM REG., $2.00 to $2.50 EACH.



HOT BED, $1.50 EACH.

STRAWBERRY PLANTS.

WHEN ORDERED TO BE SENT BY MAIL, ADD 20 CENTS FOR POSTAGE ON EVERY 100 PLANTS.

The following list consists of the standard varieties in general cultivation :

	Per doz.	Per 100
Michael's Early. An extra early variety ; prolific bearer ; color scarlet	$0 25	$1 00
Wilson's Albany. An old favorite, being a good cropper and unexcelled for shipping	25	1 00
Brandywine (Staminate). A new variety, of immense size and finest quality, continues a long time in bearing ; a most desirable variety	25	1 00
Williams (Staminate). A valuable variety of Canadian origin ; fruit large and handsome ; an abundant bearer and excellent flavor ; largely grown for market purposes	25	1 00
Bubach (Pistillate). Very strong, vigorous plants, producing early fruit of the largest size and the finest flavor	25	1 00
Haverland (Pistillate). A vigorous grower and abundant bearer ; fruit large and moderately firm	25	1 00

RASPBERRY PLANTS.

	Per doz.	Per 100
Columbia. A wonderful variety, in great demand ; an unusually vigorous grower and very prolific	$0 75	
Cuthbert. Red, vigorous and very hardy ; an abundant bearer ; fruit large and of the finest flavor	40	$1 50
Golden Queen. The best of yellow Raspberries	40	1 50
Gregg. The best of all black cap varieties	40	1 50

CURRANTS AND GOOSEBERRIES.

	Per doz.
Red Cherry	$1 00
Victoria Red	1 00
Raby Castle Red	1 00
Fay's Prolific Red	1 00
Black Champion	1 50

	Per doz.
Black Naples	$1 00
Lee's Prolific Black	1 00
Gooseberries. Smith's Improved White	1 50
" Downing	1 50
" Red Jacket	1 50

When Currants, Gooseberries or Raspberries are ordered to be sent by mail, 25 cents additional must be remitted on each dozen ordered, to prepay postage. Express is the most satisfactory way of sending these plants.

CLEMATIS IN VARIETY.

There are no hardy climbing plants attracting more attention and admiration at the present time than the Clematis. They are in continuous flower from June till November, and are all perfectly hardy ; excellent for covering walls, trellises, porches, verandas, old stumps, etc. They require good, rich soil. In very dry weather, water occasionally.

Duchess of Edinburgh. Double, pure white, fragrant.
Henryi. Pure white, very large ; the best of the single white varieties.
Jackmanii. The best known of all Clematis, intense violet purple.
Jackmanii Superba. The same color and character as Jackmanii, but of a stronger and more robust habit.
Mrs. Jas. Bateman. Delicate mauve.
Paniculata. Creamy-white fragrant flowers, borne in greatest possible profusion ; a hardy and vigorous climber.

THE ABOVE IN STRONG TWO-YEAR-OLD PLANTS, PRICE 50 CENTS EACH, POSTPAID.

HARDY HERBACEOUS PLANTS.

	Per doz.
Delphiniums. Hybrids	$1 50
Hollyhocks. Fine mixed	1 25
Iris German. Fine mixed	1 00
Phlox. Hardy, named	1 50

	Each.	Per doz.
Pæonies. Fine, named	$0 40	$4 00
" Fine mixed	20	2 00
Violets. Fine mixed		1 50
Rudbeckia. Golden Glow	20	2 00

CHOICE BEDDING AND OTHER PLANTS.

Abutilons	per doz.	$1 00
Begonias. Flowering	"	1 50
Carnations	"	1 00
Chrysanthemums	"	1 00
Coleus	"	80
Cannas. Named	"	1 20
Cyclamen	each, 15c. to	25
Geraniums. Double and single	per doz.	1 00
" Ivy leaf	"	1 50

Heliotropes	per doz.	$1 00
Oleanders. Double and single	each	25
Pansies. Extra choice	per doz.	50
Petunias. Double	"	1 50
" Single	"	80
Roses. Climbing, large plants	each	25
" Hybrid Perpetual, 1 year pot grown.	"	15
" " " 2 year strong plants	"	30
" Moss, 2 year strong plants	"	35

AMPELOPSIS, VEITCHI (JAPANESE IVY).

This handsome and rapid-growing climber, generally known as Boston Ivy, is adapted for covering brick or stone houses or walls. Its foliage, which is a lively green n summer, changes in autumn to brilliant crimson, producing a most gorgeous effect. It will, in a short time, entirely cover the side of a large building, and far surpasses the Ivy. Strong Plants 25 cents each ; $2.50 per dozen, postpaid.

FERTILIZERS.

Alberts' Thomas-Phosphate Powder. More in use than any other fertilizer. Excellent for grain, clover, hay, root, vegetable and fruit crops. Not only is it beneficial the first year, but its after effects last for about four years. It is free from sulphuric acid. It contains 17 to 20% of phosphoric acid, equal to 37 to 40% phosphates, and is the cheapest and most profitable source of available phosphates. Use from 100 to 600 pounds per acre. Pamphlets on application. Bag of 225 lbs., $3.00; per ton, $25.00.

Buffalo Ammoniated Bone Superphosphate is a highly concentrated, active and efficient fertilizer. It is dry and finely powdered, therefore well adapted for drilling or sowing broadcast; the soil quickly takes hold of it, and the plant derives just the nutriment needed. It is particularly adapted for wheat, corn, rye, buckwheat, oats, barley, grass, tobacco, hops and fruit trees. For grain crops use 300 to 500 pounds per acre; for grass crops 250 to 300 pounds per acre. $40 per ton; $6.00 per barrel of 250 pounds; $3.00 per 100 pounds.

Buffalo Pure Ground Bones for fertilizing purposes. Our ground bones are a very superior and carefully prepared fertilizer. A machine that will sow plaster will also answer the above. In Turnip culture they are particularly recommended. Apply at the rate of ten bushels (600 pounds) per acre and drill in with the seed. Highly recommended for lawns, etc. $3.00 per 100 pounds; $5 per bag of 200 pounds; $40 per ton.

Peruvian Guano. From the large amount of ammonia and phosphate contained in pure Guano, it is one of the most powerful stimulants for plants and growing crops. Before using it should be made fine, and may be mixed with loam, charcoal, dust or plaster. It should not be mixed with lime or ashes; muck and clay also are not suitable. It should not come in contact with growing plants. As it is nearly soluble in water, it is most easily converted into liquid manure, and when applied in that form its effects are almost immediate. One pound of Guano to twenty gallons of water will be sufficiently strong for a single watering each week, which is more efficient than repeated waterings with weaker solutions. Per pound, 10c.; 25 pounds, $2.00; 100 pounds, $6.00.

Nitrate of Soda. A powerful fertilizer, containing a large percentage of nitrogen, the property which soil most requires. 20 lbs. for $1.00; Per 100 pounds, $3.50.

Gypsum, or Pure Land Plaster, is white. It has great power in seizing on the escaping ammonia and giving it to plant life. Gypsum is the cheapest, and especially when used in conjunction with manure, one of the most powerful fertilizers in nature. It also attracts moisture. Is used largely on all crops, and is of great benefit to Lawns, as well as to every sort of Fruit Trees, Vegetables or Flowers. Sow early in the spring and autumn, when verdure is moist. Best effect to sow light and often. In good linen bags containing 150 pounds, 60 cents per bag; $6.50 per ton.

Hammond's Sward Food. A first-class top dressing, especially prepared for Lawns, Meadows and all grass lands, to assure a thick, matted growth of rootlets. It is bad for the grubs and brings no weeds. Approximate quantity to be used: For say 2,000 square feet, 25 pounds; per acre 600 to 1,000 pounds. No unpleasant odors and quick results. For flowers, stir it in the soil and it will help to make a poor flower bed profuse, bountiful and beautiful. Morning Glories fairly revel from its effects, and so do all running vines, and Cabbage, Kale and Spinach. In 5 pound packages, 30c.; 10 pound packages, 50c.; 100 pound kegs, $4.00.

Pulverized Sheep Manure. A natural manure, most nutritious for plants; effect immediate and lasting. Excellent for mixing with soil for greenhouse plants (one part manure and six parts soil). Strewn over and dug into the garden, or placed directly in drills or hills, it promotes a rapid, steady growth until maturity. It makes safe and quick Liquid Manure; one pound to five gallons of water can be used daily, if necessary, with safety. 1 lb., 10c.; 10 lbs., 50c.; bag of 70 lbs., $2.00.

SPECIAL MANURES FOR HOUSE AND GARDEN PLANTS.

Peruvian Guano. A valuable plant food. In packages at 10c. (postpaid 20c.); and 25c. (postpaid 50c.)

Aimes' Chemical Manure. One of the finest fertilizers known for all kinds of pot plants. It appears to be an insecticide as well as a stimulant. Per package 10c. (postpaid 20c.); and 25c. (postpaid 50c).

PREPARATIONS FOR THE DESTRUCTION OF INSECTS.

Carbonate of Copper Fungicide. For destroying mildew, apple scab, etc. Contents of one jug are emptied into seven gallons of water, and it is then ready for use. In stone jugs, 30c. each.

Church's Potato Bug Finish. One of the best destroyers of potato bugs on the market; has given splendid satisfaction. It is also recommended to destroy all insect life which feeds on the leaves of plants, shrubs, bushes, etc. Use 25 pounds to the acre, and dust it on with a fine sieve. Apply after a rain or after a dew in the morning so that it will adhere to the vines. In 1 lb. canisters, 10c. each; 5 lb. lots, 25c.; 25 lb. lots, 60c.; 100 lb. lots, $1.50; barrel of 300 lbs., $4.

Concentrated Chemical Tobacco Soap. It is certain destruction to all insect life and for preventing and removing insects on plants, animals and wearing apparel, it is unequalled. For plants, dissolve 6 oz. in 6 gallons of water; for animals, dissolve 1 oz. in ½ gallon water. In ½ lb. bars, 25c., postpaid, 35c.; 1 lb. bars, 45c.; postpaid, 60c.

Grape Dust. (Hammond's). An excellent article for killing as well as preventing mildew, mould or rust mites, on roses, grape vines, and other plants and trees affected by the same. More effectual and cheaper than sulphur. Requires to be applied reasonably frequent. In 5 lb. packages, 50c.; in 100 lb. kegs, $6.00.

Gishurst Compound. (Patented). For preventing and destroying red spider, mealy bug, mildew, green and brown fly, thrip, scale, blight, ants, etc. It is largely used by the leading horticulturists in Britain and America. Price 50c. a box.

Hughes' Fir Tree Oil. This new insect destroyer has proved to be one of the most reliable for red spider, green fly, mealy bugs, scale, ants, thrip, onion fly, caterpillar, slugs, blight, etc. It is also much used as a dog wash. Fir Tree Oil is put up and sold in bottles with directions for its use. Small bottle 25c.; good size bottle, 50c.; large bottle, 75c.

Hammond's Thrip Juice kills lice and scale. A concentrated liquid insecticide for destroying the lice, scale, caterpillars, mealy bugs, etc. Non-poisonous diluted with two hundred times its bulk. Arseniated, for orchard use, diluted with four hundred times its bulk of water. Pint cans, 40c.; quart cans, 75c.

Nikoteen. A liquid insecticide for use of florists and gardeners. It is composed of that element in tobacco which gives it its value and nothing else. This is, without doubt, the best remedy for most of the insects that attack plants and flowers. Circulars giving full description and mode of treatment on application. Price, $2.00 per pint bottle.

Slug Shot. (Hammond's). It is in the form of an impalpable powder, and is fatal to insect life in every form which they are injurious to vegetation. It not only acts as an insect destroyer but it will be found to be an excellent fertilizer, as plants upon which it is used will be found to grow and look much finer than those upon which it is not. It contains nothing injurious to domestic animals, and does not deteriorate by age. On low growing plants it should be dusted on with a very fine sifter. Canisters with perforated top, filled with Slug Shot, 20c. each (postpaid 35c). In 5 lb. packages, 35c.; 10-lb. packages, 65c.; in barrels of about 225 lbs., 4½c. per lb.

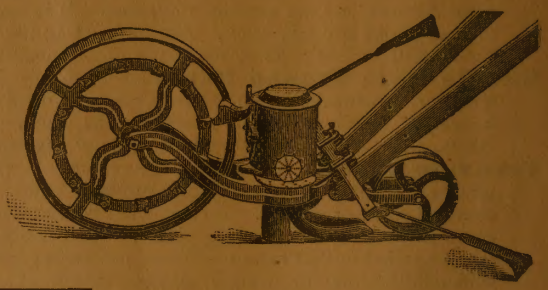
Thomson's Styptic. A preparation for preventing the bleeding of vines; largely used by the leading horticulturists in in Great Britain. Per bottle, 75c.

Whale Oil Soap. A splendid article for preserving flowers, shrubs, vines and particularly rose bushes, from the destructive effects of slugs, grubs, worms, etc. ½ lb. bars, 15c.; 1 lb. bars, 25c.; in bulk, 15c. per lb.; postpaid, 15c. per lb. extra.

LABOR SAVING IMPLEMENTS

MATTHEWS' NEW UNIVERSAL MODEL GARDEN DRILL.

WITH NEW SEED CUT-OFF AND IMPROVED MARKERS.



Is everywhere acknowledged to be the standard Drill of America. It has been many years in use, and its largely increasing sale is the best evidence of its merit.

It is designed for use in field or garden. When in operation it opens the furrows, drops the seed accurately at the desired depth, covers it, and lightly rolls the earth down over it, and at the same time marks the new row. It will sow *Beet, Carrot, Onion, Turnip, Parsnip, Sage, Spinage, Sorghum, Peas, Beans, Fodder Corn, Broom Corn, Etc.*, with a certainty, regularity and rapidity impossible for the most skilful hand to do. **Price, Boxed, $8.00.**

MATTHEWS' NEW UNIVERSAL MODEL HILL AND DRILL SEEDER.

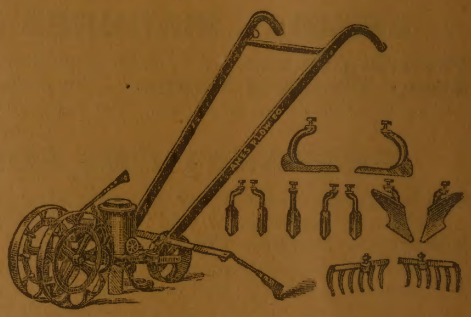
Same in style and working qualities as the above, just described, but so arranged as to drop the seed either continuously in drills or at distances of 4, 8, 12, 16, 24 and 48 inches apart. The adjustment of this Hill Dropper saves the seed, as no more than desired is dropped at a time. The adjustment from drills to hills is made by one screw in attaching the brass cut-off to the agitator. **Price, Boxed, $9.00**

MATTHEWS' NEW UNIVERSAL MODEL GEM GARDEN DRILL.

This has been perfected to meet the demand for a low-priced drill. We have not only accomplished this in our design, but here offer a drill with all the essential qualities of the Matthews principle, even to embodying Seed Dial and Indicator, from exactly same patterns as those used on the larger and more expensive drills. We do not recommend it for use instead of the larger drills, but we are sure that all in want of such a drill as we represent this to be will find it to their advantage to buy the Matthews' Garden Gem. **Price, Boxed, $6.25.**

MATTHEWS' NEW UNIVERSAL MODEL DOUBLE WHEEL COMBINED DRILL, HOE, CULTIVATOR, PLOW AND RAKE.

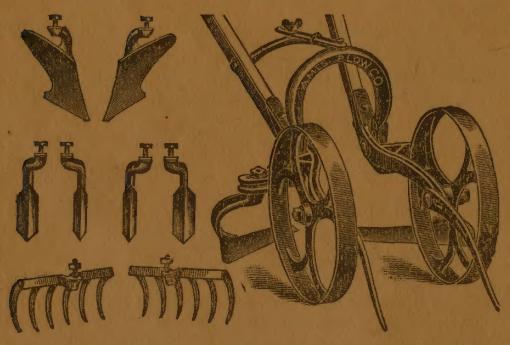
This desirable combination of the **Garden Drill,** already described with the new Universal Cultivating Attachments, is one which cannot fail of recommending itself to all. The attachments are one pair Hoes, five Cultivator Teeth, one pair Rakes and one pair Plows. The seeding and covering apparatus can be readily removed, when the implement presents much the appearance of the New Universal Single Wheel Hoe, Cultivator and Plow, and is used to do the same work.



It is not necessary to remove the seed box, as the teeth can be inserted in the frame with this attached. Can be used either as a Double or Single Wheel Machine.

PRICE, BOXED, - - - - $10.50.

MATTHEWS' NEW UNIVERSAL DOUBLE WHEEL HOE, CULTIVATOR, PLOW AND RAKE.

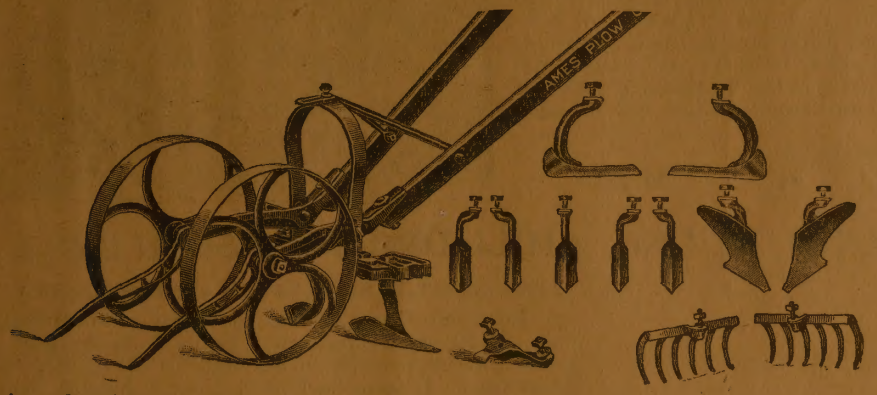


Specially designed for working both sides of the row at one passing. The special recommendation is the *Adjustable Arch*, by which not only the *depth* of work can be gauged, but which, by an ingenious device enables the teeth to be pitched at any angle desired. It can be pushed straight ahead, but better results are obtained by using it same as a scuffle hoe, with successive strokes of length to suit the nature of soil and crop. It can be used either astride or between rows. To work both sides of the row at one passing, the attachment can be set to suit width of crop to be cultivated, keeping road midway between the wheels; no need to watch the teeth. The hoe blades can be set to turn in or out as desired by the operator. Four cultivator teeth are furnished with each; two can be used at desired width to mark out rows. For furrowing, the plows can be set close together and turn outward; for covering, set to width desired and turn inward. The depth can be regulated by adjusting wheel arms in the three holes provided on each side of Arch, also by pitching the Arch by means of the arch brace and the thumb bolt, where it connects to the lower handle brace. The leaf guards are to prevent wheels from injuring large spreading foliage.

Price, Boxed, $6.50. With one pair Hoe Blades only, $4.25.

We have Special Catalogues giving full descriptions and directions in regard to Lawn Mowers, Spray Pumps (including Spraying Calendar and Mixtures), Drills, Hoes, Cultivators, Etc. Will mail these on application.

NEW UNIVERSAL EXPANSION WHEEL HOE, CULTIVATOR, RAKE AND PLOW, HIGH ARCH—A Double or Single Wheel Implement at will.



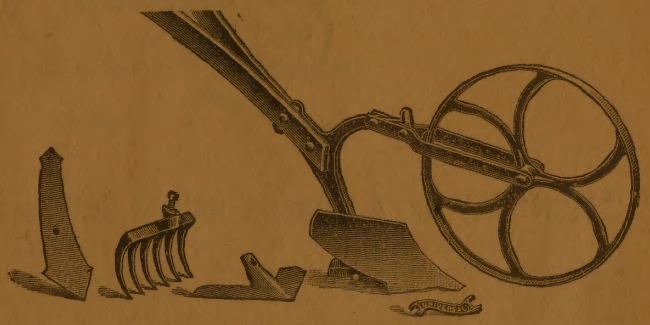
The wheels are 12 inches in diameter, and the arch high enough to cultivate over plants 20 inches or more in height. Our Double Wheel Hoe meets all requirements, but we here present if possible a more complete implement of larger size. The Adjustable Arch affords means for regulating depth, and for setting pitch of teeth, a very valuable feature in using the Hoe Blades. It also admits of use of implement by either man or boy. Expansion Pads, or Tooth Holders, are provided, so any width of cultivation may be attained from the narrowest up to 20 inches wide. One Wheel is preferred by many when in use as a "between row" cultivator, and for this purpose we provide the *Centre Attachment*, consisting of Wheel Scraper and Tooth Holder. The Attachments are: 1 pair each long bladed Hoes, short bladed Hoes, narrow Cultivators, wide Cultivators, Plows, Rakes and Vine Guards, and a Centre Cultivator and Centre-tooth Holder.

Price, Boxed, - - - - - - - $9.50.

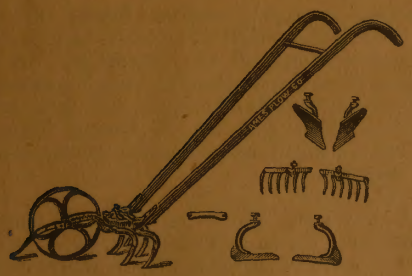
NEW UNIVERSAL STEEL FRAME GARDEN PLOW WITH ATTACHMENTS.

This implement, we believe, will prove a very acceptable addition to our line. The **Wheel** is adjustable and is 15½ inches in diameter. The handles are also adjustable. The finish is in the same style as our other implements of this well-known line. The attachments are: 1 Landside Plow, 1 Sweep or Scuffle, 1 Rake and 1 Double Tongued Cultivator.

Price, Boxed, - - - $4.50.



MATTHEWS' NEW UNIVERSAL SINGLE WHEEL HOE, CULTIVATOR, PLOW AND RAKE.



As with the *Double* Wheel Hoe just described, it can be used either between or astride the rows, although it is really intended for between row cultivation. For straddle cultivation the wheel can be set to one side so as to bring the row of *young* plants under centre of frame. Later cultivation must be done between rows. The adjustment for graduating the depth of cultivation is unique and readily accomplished. There are five adjustments of depth. The attachments are 1 pair Hoes, 5 Cultivator Teeth, 1 pair Plows, 1 pair Rakes and 1 Vine or Leaf Guard.

Price, Boxed, $5.75. With one pair Hoe Blades only, $3.25.

No. 2.—Same as above, excepting the attachments, which are 1 pair Hoes, 3 Cultivator Teeth and 1 large Plow.

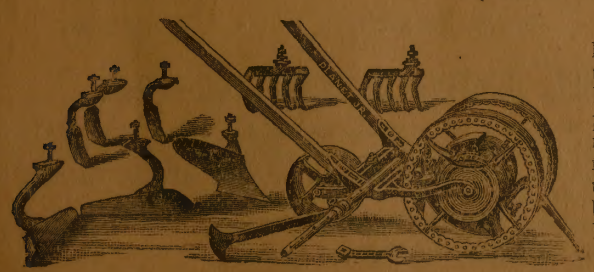
Price, Boxed, - - - - $5.00.

NEW UNIVERSAL HAND WHEEL PLOW.

This little labor-saving implement is one that commends itself to all gardeners. It can be used to prepare the ground, to furrow out, to cover, and to cultivate. The mould board is of steel, polished and tempered.

Price, Boxed, - - - - - $2.50.

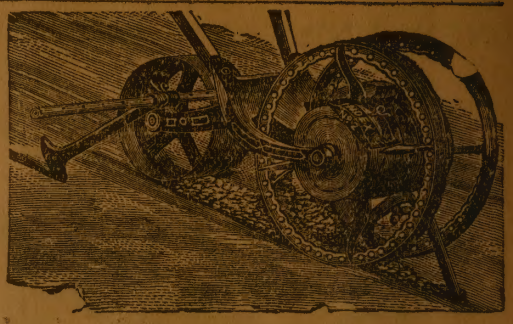
"PLANET JR." COMBINED DRILL, WHEEL HOE, CULTIVATOR, RAKE AND PLOW.



As a Seed Drill it is the same as the No. 2, except in size. It holds one quart. Each tool is supplied with one pair of long hoes, three reversible cultivator teeth, and a large garden plow. As a Hoe it works safely and closely both sides of the row at once when plants are small; between rows when plants are large, working all rows up to sixteen inches wide at one passage. As a plow it opens furrows, covers them, hills, plows to and from, etc. As a Cultivator it is admirably adapted to deep mellowing of the soil. All the blades are tempered and polished steel. Easily changed from a Drill to its other uses.

Price, Boxed, - - - $11.50.

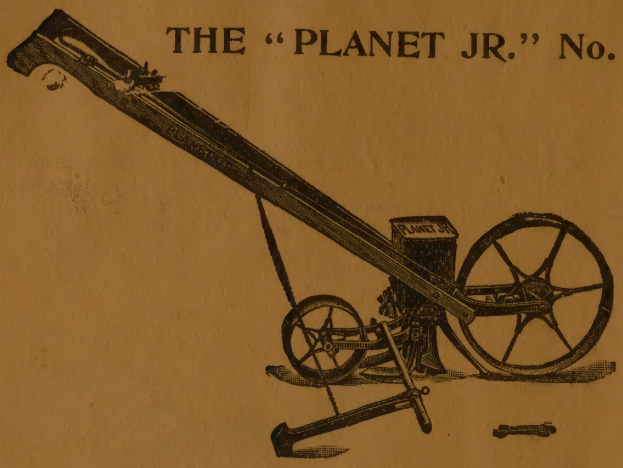
THE "PLANET JR." No. 2 SEED DRILL.



Sows all garden seeds accurately at any desired thickness or depth, opening, dropping, covering, rolling down and marking the next row in the most perfect and reliable manner, all at a single passage. It holds two-and-a-half quarts. It has no cams, cover brushes, cogs, springs, or shakers to get out of order; it is noiseless, automatic, self-cleaning and accurate; remarkable for simplicity, strength, and for ease and perfection of work in the field. It can be set to run deep or shallow, and the seeds are deposited in a narrow line.

PRICE, BOXED, - - - $8.75.

THE "PLANET JR." No. 3 HILL DROPPING SEED DRILL.



SOWS EITHER IN HILLS OR IN A CONTINUOUS ROW.

This Drill will sow in a continuous row, in the ordinary way, with the greatest regularity; but its distinctive feature is that it will drop neatly in hills either 4, 6, 8, 12 or 24 inches apart. It opens the furrow, drops in hills or drills, covers, rolls down and marks the next row, all at one operation. The hopper holds 2½ quarts. The wheel is 15 inches high. It is changed in a moment from hill dropping to drill work. It has a force feed, sows equally well whether the hopper is full or contains only a paper of seed, and will not injure delicate seed, such as Radish, Cabbage, etc., which are so often peeled or crushed by Drills having agitators or metal wheels. It is nicely adapted to all conditions of land, working especially well in fresh ground or when planting on a ridge. The plow is adjustable and opens a very narrow furrow, which is a great advantage for after cultivation.

PRICE, BOXED, - $12.00.

"Planet Jr." No. 4 Combined Hill and Drill Seeder, Single Wheel Hoe, Cultivator, Rake and Plow.

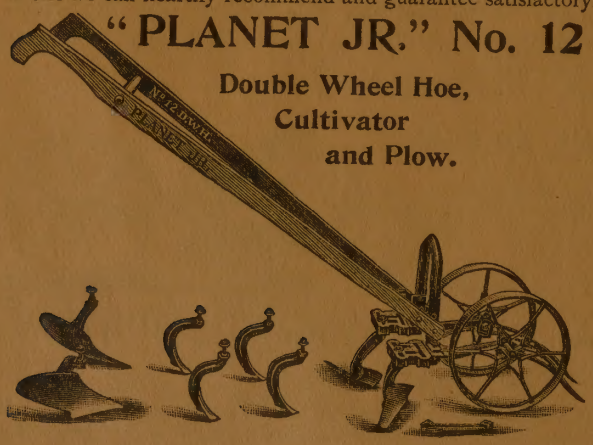
This admirable tool combines in a single convenient implement a capital hill-dropping seeder, a perfect drill seeder, a single wheel hoe, a cultivator, a rake and a plow. It holds 3 pints, and as a seeder sows in continuous rows, or drops in hills at any distance. It is thrown out of gear by simply raising the handles. The index is accurate, simple and easily set. The drill is detached and the tool frame substituted by removing but one bolt. It then becomes a single wheel hoe, garden plow, cultivator or rake. **PRICE, COMPLETE, BOXED, $13.00. AS A DRILL ONLY, $9.50.**

"PLANET JR." No. 25 COMBINED HILL AND DRILL SEEDER AND DOUBLE WHEEL HOE.

This new combined machine is intended for a class of gardeners who have a large enough acreage in crops for a Double Wheel Hoe to be used to good advantage, and yet prefer not to buy a separate Wheel Hoe. It is large enough for field use, for it holds 2½ quarts, and has 11¼ inch wheels, which are just the right size. As a Drill it is almost identical with the "Planet Jr." No. 4 Drill; will sow in drills or hills, 4, 6, 8, 12 or 24 inches apart, and has the same automatic device for throwing out of gear and the new combined cut-off and seed index with thumbscrew adjustment. It is thoroughly substantial and accurate in sowing all kinds of garden seeds in either hills or drills. As a Wheel Hoe, it is identical with the "Planet Jr." No. 12 Double Wheel Hoe, the best machine on the market. The change from Drill to Wheel Hoe takes but a moment, and the entire combination is one we can heartily recommend and guarantee satisfactory. **PRICE, BOXED, $15.50.**

"PLANET JR." No. 12

Double Wheel Hoe, Cultivator and Plow.



This tool has 11-in. wheels, which can be set at **four different distances** apart; the frame is malleable, with ample room for tool adjustment, and can be set at **three different heights.** The handles are adjustable, and being attached to the arch, are **entirely undisturbed** in making changes of the height of frame, width of wheels, or in the adjustment of the tools themselves. The arch is of **stiff steel, unusually high.** The design of the frame is novel, allowing all changes of tools to be made **without removal of the nuts** from the standards. All the blades are of tempered and polished steel.

PRICE, BOXED, - - - $8.00.

No. 13—This tool is the No. 12, with 6-in. hoes only.

PRICE, BOXED, - - - $5.25.

"PLANET JR." No. 16 SINGLE WHEEL HOE, CULTIVATOR, RAKE AND PLOW.

This is a perfect Wheel Hoe for gardeners or private places. It is very light, strong and easy running; has adjustable handles and frames, especially adapted for quick changing of teeth. The equipment is a most useful one, and will be found just right for a great variety of work. The frame changes in height, and the wheel **to the other side of the frame,** to hoe both sides of the row at once. **PRICE, BOXED, $6.75.**

No. 17—This tool is the No. 16, without the leaf guard and rakes. **PRICE, BOXED, $5.25.**

No. 18—This tool is the No. 16, with one pair 6-in. hoes only. **PRICE, BOXED, $4.00.**

THE "PLANET JR." TWELVE TOOTH HARROW, CULTIVATOR AND PULVERIZER.

This tool is offered as the very best known for its intended purpose. The frame is high. The blades are an inch wide, and of such shape as to work in the most thoroughly satisfactory manner, and to offer an unusual amount of wearing surface. The recurved throat of the tooth and the high frame prevent clogging. The reverse position is quickly given to the teeth by changing a single bolt in each. The frame is heavy and strong. The teeth are set straight with the line of motion, at medium width, and are interchangeable. They may be worn off three inches before requiring renewal and yet retain the original cutting width, and are cheaply replaced when worn. This tool has our lever expander and lever wheel, by which the depth and width may be changed instantly while in motion from 32 to 12 inches, and also a thorough pulverizer attachment, which leaves the ground in the finest condition. The pulverizer is controlled by a lever, which is operated instantly by the foot while in motion. For fine cultivation, either deep or shallow, or for working among small plants, this tool has no equal. It cultivates deep, without throwing earth upon the plants, and the teeth turn Strawberry runners without injuring them.

PRICE, PLAIN, $8.50. WITH WHEEL, $10.00. COMPLETE, WITH PULVERIZER, ETC., $11.75.

THE "PLANET JR." No. 8 HORSE HOE AND CULTIVATOR.

This is an improvement on the No. 6 Horse Hoe, and differs from it as follows:

The Frame is longer than usual and about one and a half inches higher, making a tool that will not clog easily. *The Standards* are framed up hollow, with round throats of stiff steel; they polish quickly and free themselves readily from obstructions, and they clasp the frame and strengthen it. *The Depth* is under perfect control by means of a new lever wheel, and the new patented depth regulator; these are moved instantly in unison by a single lever, making exact work, steadying the machine and relieving the operator. *The Expander.* This is an entirely new pattern, superior to all other forms; exceedingly strong, simple, accurate and positive in all positions. *Handles and Braces.* These are also absolutely new, and the most effective and stiffest combination known, at once making the tool rigid, yet allowing every adjustment of handles in height and sidewise. *The Reversible Side Hoes*, patented, are an important part of the implement. As shown in the cut, they act as plows or hillers, but when turned end for end the tool becomes a genuine horse hoe, working so shallow and so close, without injury to the roots, that an immense amount of hand labor is saved. Every part is perfected to make the tool acceptable to the intelligent farmer, who knows the best is always the cheapest. **Price, $12.00; without Wheel, $11.00.**

THE "PLANET JR." NO. 6 HORSE HOE AND CULTIVATOR.

Chief among its advantages is the *Lever Wheel* a necessity for particular work; the patent *Lever Expander*, changing the width instantly; and *Handle Adjustment* for height, and also sidewise for use in pole beans, grapes, blackberries, nursery stock, etc., and when covering. It also has the patent parallel frame, interchangeable and adjustable *Hollow Steel* standards, reversible blades, sleeved bolt holes, etc. As a *Horse Hoe*, with side teeth reversed, it cuts close to the row without injury to the roots, leaving but little and in many cases nothing for the hand hoe. As a *Cultivator*, the reversible teeth cut off and turn over the weeds in the most perfect style. As a *Hiller*, the side teeth work in combination with the rear shovel to perfection. **Price, $10.50; without Wheel, $9.50.**

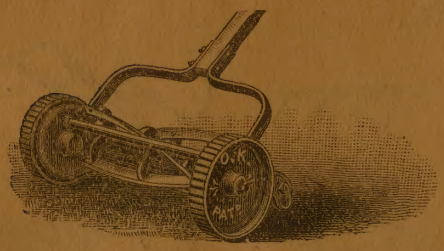
THE LITTLE GIANT GEARED HAND BROADCAST SEED SOWER.

The greatest labor-saving invention of the age. The strongest, prettiest, lightest, and easiest running Seeder made. The agitator or force feed is of great advantage. It also has, among other advantages, a pressed tin distributing wheel, hand hold on the side, and no feed plate to carry. They will pay for themselves many times in one season. Satisfaction guaranteed. It will distribute all kinds of Fertilizer, Land Plaster and Ashes. Flax and Clover Seed 36 feet to the round; Wheat 50 feet to the round; Buckwheat 46 feet to the round; Barley 40 feet to the round; Timothy Seed 27 feet to the round; Oats 36 feet to the round. **Price, $2.00.**

We highly recommend this Seeder, and have many letters testifying to their great usefulness.

The cheapest way to send these is by Express, which costs 25c. to 50c. to most places. To out-of-the-way places we can mail them for $2.75 each, postage paid.

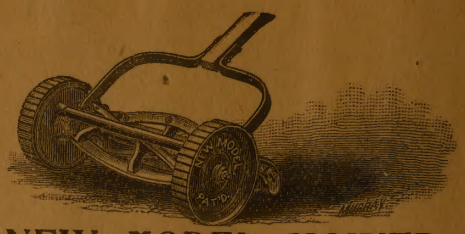
LAWN MOWERS.



THE "O. K."

14-inch cut $5 00
16-inch cut 5 50

This Lawn Mower has been thoroughly tested, and we have no hesitation in recommending it in every respect as a first-class machine. For lightness of draught, simplicity of construction and adjustment, this Lawn Mower is a great success; its quality is unquestioned, and is fully guaranteed.



NEW MODEL MOWER.

16-inch cut ..... $ 9 00
20-inch cut 11 00

For simplicity, durability and quality of work, this Mower is superior to any in the market, while for lightness of draught it excels any other Lawn Mower now manufactured. All that mechanical skill can devise, or the experience of a score of years in the manufacture of lawn mowers could suggest are embraced in the construction of the NEW MODEL LAWN MOWER.

NEW MODEL HIGH WHEEL MOWER.

This has all the good qualities of the famous "New Model," and in addition, besides other improvements, will cut higher grass than the ordinary Mower. **16-inch cut, $10.00; 20-inch cut, $12.00..**

THE UNIVERSAL LOW WHEEL MOWER.

This Mower has been constructed to meet the demand for a cheap, simple and light running Mower that any boy or girl can operate, and do first-class work. In its construction we have embraced many desirable features not possessed by other Mowers, adding greatly to its simplicity and durability.

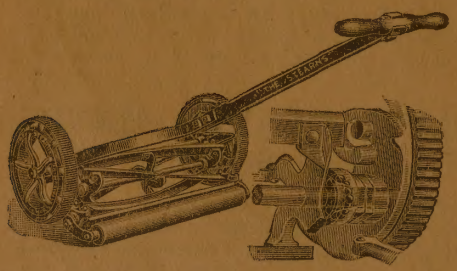
The revolving cutter has three steel knives, steel shaft and malleable iron flanges. The journals have a new and simple device for taking up the wear. The knives are of the best quality of steel, and smaller parts are made of malleable iron. The adjustments are extremely simple, and the ratchet is the most durable produced. The wood roller is noiseless, and our double-edged bottom knife will outwear ordinary Mower knives. **Size, 16-inch, $3.50 each.**

THE UNIVERSAL HIGH WHEEL MOWER.

This Mower, for cutting either tall or short grass, is intended to meet the requirements for a cheap, strong, substantial and light running machine, for use in public and private parks, cemeteries and extensive lawns.

It is the result of years of experience in the manufacture of Lawn Mowers, and a trial will demonstrate it to be the simplest and lightest running High Wheel Mower ever offered to the public, and the quality of the work it performs is beyond criticism. The driving wheels are 9 inches in diameter. The revolving cutter consists of a steel shaft, malleable iron flanges, and the knives are of extra heavy steel of the best quality. The adjustments and ratchets, while simple, are also positive, and *cannot* get out of order. We use on this Mower our double-edged bottom knife and noiseless wood roller, the merits of which must be seen to be appreciated. **Size, 16-inch, $5.00 each.**

STEARNS BALL BEARING LAWN MOWER.



The advantages of ball bearings are well understood.

There is the same reason for their use on a lawn mower that there is on a bicycle—*to make it run easy.*

On its accurate ball bearings the cylinder of the Stearns Mower revolves at high speed with the free movement of a bicycle wheel.

While it runs so much easier and with less noise than other mowers, it cuts faster, cleaner, more evenly, does not push the grass before it, but cuts every spear, leaving the surface of the lawn perfectly smooth.

It costs no more than the average "high-class" mower, yet it lasts much longer, is therefore in the end cheaper, and does better work in shorter time with less fatigue to the operator.

The stationary knife is of selected quality *crucible steel*, oil hardened and ground to a fine cutting edge. The cylinder knives are of special analysis open hearth steel, oil hardened, and the temper drawn just enough to permit of their being sharpened with a file, yet so hard that they will not become nicked.

All oil holes and adjusting screws are easily reached from the upper side; there is no necessity to turn the mower over for oiling and adjusting. The notched roller arms which lock into corresponding notches in the side plate allow parallel adjustment of the roller.

The wheels are 9½ inches in diameter, which is higher than any except the regular "high-grass" machines for which an extra price is asked. **Price, 16-inch cut, $11.50; 20-inch cut, $13.50.**

The following Catalogues are published during the year, and will be mailed free to Applicants:

No. 1—Illustrated Seed Catalogue, published 1st January; a descriptive list of Agricultural, Vegetable and Flower Seeds, Culinary Roots, Garden Implements, Spring Flowering Bulbs, etc.

No. 2—Market Gardeners' and Florists' Special Price List, published 15th January.

No. 3—Annual Fall Wheat Circular, published 15th August.

No. 4—Bulb Catalogue, published September 1st, containing a choice Collection of Double and Single Hyacinths, Tulips, Polyanthus Narcissus, Crocus, Snowdrops, Crown Imperials, Lilies, etc.

PLANTS AND SEEDS CAREFULLY PACKED FOR ALL CLIMATES.

MYERS' BUCKET SPRAY PUMP.

This Spray Pump is constructed entirely of brass, a material that is not affected by the poisonous arsenites used in different formulas for spraying fruit trees, vines and shrubbery. It is so arranged that the labor of pumping is all on the downward stroke of the piston and nothing on the up; and the fact that it is not necessary to steady the pump with a foot rest, makes it very easy to operate, and gives extraordinary power. It is provided with a large air chamber, and has a ball valve at the bottom, between the cylinder and the air chamber, whereby the pressure is held uniformly in the air chamber and on the hose so that the nozzle throws a continuous spray, and is not affected by the movement of the plunger. It will throw a solid stream fifty feet, and is of unusual value for washing windows, buggies, and extinguishing fires, sprinkling lawns, flowers, etc. For spraying it is arranged so as to discharge a fine jet in the bottom of the bucket and keep the solution thoroughly mixed and agitated, a feature peculiar to this pump only and a very necessary feature to a spray pump.

Fig. 492—Pump with Agitator, complete with hose and Myers' combination, fine, coarse spray and solid stream nozzles, all of brass, $4.00.

Eight foot extension pipe for same, 50c. Vermorel or Bordeaux Nozzles, 50c.

Fig. 492.

MYERS' LEVER BUCKET SPRAY PUMP.

This is an improvement on the above Pump, being constructed on the same principles but differing by having an extra large air chamber and a lever handle which add greatly to the ease in pumping, also a very useful foot rest; it has also a top casting to attach to a barrel if preferred. Price, complete with agitator, hose and nozzles, $5.00.

MYERS' IMPERIAL BARREL SPRAY PUMP.

This Pump is made of brass, and is powerful and easy to operate. It is made on same principle as the Bucket Pump, but larger—has lever handle, 2-inch cylinder and air chamber, patent agitator, ample capacity for two streams, and is fitted with top casting to bolt to chime of barrel. Complete, with 5 feet of ½-inch 3-ply hose and graduating Vermorel nozzle, $8.00.

MYERS' FOUNTAIN KNAPSACK PUMP.

HOLDS 5 GALLONS. WEIGHT, 52 LBS., WHEN FULL. ALL WORKING PARTS ARE BRASS.

It is constructed of first quality of Galvanized Iron, with round corners, built precisely the same as our regular Myers' Knapsack, with removable strainer and tight lid, which prevents liquid from splashing on operator. It is fitted with adjustable straps so as to be carried on the back, or can be carried by bail. It is tapped at both right and left hand lower corners, and fitted with brass female ends, to which hose is attached, either one or two strings of which may be used at one time. When one hose only is used, the other opening is closed with a metal plug furnished for that purpose. The hose and bulb are made of the best white rubber, and protected at each end by coiled wire to prevent breaking. The valves are made of brass and will not corrode, have large openings which permit the free flow of water, and shut off instantly when under pressure. The nozzle is made of brass, nickel plated, has 50 small openings, and throws a spray 6 feet wide at a distance of 12 feet. The pump is operated by grasping the bulb in the hand and compressing it, which causes a spray to be thrown at any distance from 3 to 15 feet as desired: on relaxing the pressure on the bulb it expands, refilling instantly, when the same operation can be repeated. To shut off flow of water entirely, use valve on hose for that purpose. The operator can cover one or two rows of plants or vines as desired, and do the work at a rapid walk, thus covering a large amount of territory in a very short time.

Pump with one tube, rubber bulb and rose, $4.00. Pump with two tubes, rubber bulbs and roses, worked by both hands, $5.25.

Fig. 547.

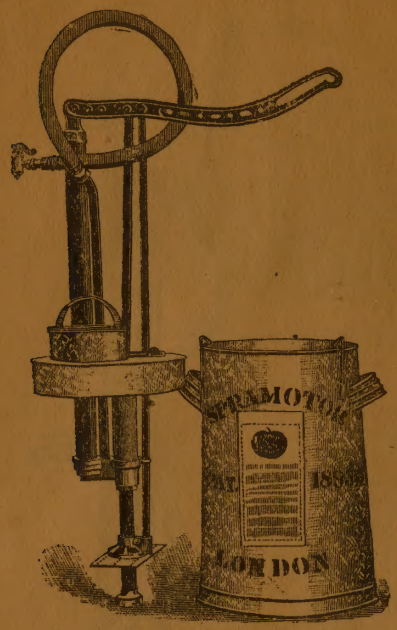
MYERS' KNAPSACK SPRAY PUMP.

The tank holds five gallons, is fitted with lid and strainer which can be removed. The pump is our regular Brass Bucket Spray Pump (described above), with large air chamber, ball valves, solid plunger and agitator. It is so arranged that no water can drip on the operator. The pump can be removed easily. The pump is also fitted with a handle, so that the operator can set the knapsack on the ground and work pump with handle. Can be carried by hooking snap in staple on the opposite side provided for that purpose, making a neat handle, as shown by the dotted lines. The handle lever can be shifted from right to left shoulder at will.

Fig. 547—Pump fitted with 5 feet ½-inch hose, pipe extension and Bordeaux or graduated Vermorel Spray Nozzle which can be graduated from a fine mist spray to a solid stream, or shut off entirely. Galvanized Tank, $7.00.

Same pump as above, only that tank is made entirely of copper and thus resists the action of strong compounds, $10.00.

THE LIGHTNING POTATO EYE CUTTER does the work many times faster and is more accurate than the knife. It is gauged to cut enough flesh with each eye to strengthen and vitalize it and does the work in a scientific manner. No matter how small a crop you intend to plant, you should use this cutter. It has been proven conclusively that potatoes cut to a single eye give the largest and best results. Directions how to plant potatoes cut to one eye, and valuable points in *Potato Culture*, by a practical Potato Grower, given with each cutter. **PRICE, 30 CENTS BY MAIL, POSTPAID.**



This cut shows pump lifted out of can.
SPRAMOTOR JR.

SPRAMOTOR PUMPS.

These Pumps are of Canadian make, and were awarded the first place in the competition held at Grimsby, spring of 1896, under the auspices of the Board of Control of the Fruit Experimental Stations. They scored the highest points for ease of operation, evenness of distribution, general style, durability, power, agitator and accessories or attachments. Have given splendid satisfaction wherever sold. Since 1896 have been improved in different ways, and are still the best Spray Pumps made.

SPRAMOTOR JUNIOR.

For a good-sized garden, with a limited number of fruit trees, this Pump cannot be excelled. It can be used for spraying, painting, whitewashing or disinfecting, and is the best one-nozzle apparatus on the market. It is built as carefully as a watch. Its mechanical agitator, strainer, base casting, plunger tube, air-chamber casting and hose couplings are of brass. The valves are patented, bronze metal ball, with seat and cage combined, and being detachable, can be renewed at the lowest cost. The plunger is of bronze metal, and is the latest and best, being automatically compensating, and is warranted to be tight under any pressure.

Spramotor Jr. Pump, with 2½ ft. hose and nozzle..... $6 00
5-Gallon Galvanized Can..... 1 50

SPRAMOTOR No. 1.

It is made entirely of brass, or with the head, handle and agitator of iron, in the same manner as our larger size, No. 2. It is a thoroughly up-to-date apparatus. Is plenty large enough for the ordinary fruit growers who have 300 trees or less, and will do with one nozzle as well as our larger size. Price, $9.00; or with Brass Suction Tube, Rod and Agitator, $11.00.

SPRAMOTOR No. 2.

With all our latest improvements, designed especially for spraying fruit trees and all work that requires special construction, in order to successfully use whitewash, Bordeaux mixture, Paris green, in fact any mixture of such consistency that it can be acted upon by hydraulic machinery. It is constructed of seamless drawn brass tubing, especially prepared, and is fitted in the best possible order. The valves used in our SPRAMOTOR are of special importance, and are most effective, and when combined with our patent detachable seat and cage, makes the only effective appliance for the use intended. All these features are patented. This size will answer for all general purpose spraying, and will prove large enough for 1,000 trees or less. Can be used with two, four or eight nozzles. The air chamber is large, and will be found perfectly satisfactory should eight nozzles be used. Both inner and outer tubes are brass, and the top casting is arranged for one or two lines of hose. **Price, $12.00; or with Brass Suction Tube, Rod and Agitator, $14.00.**

SPRAMOTOR JR. No. 2.

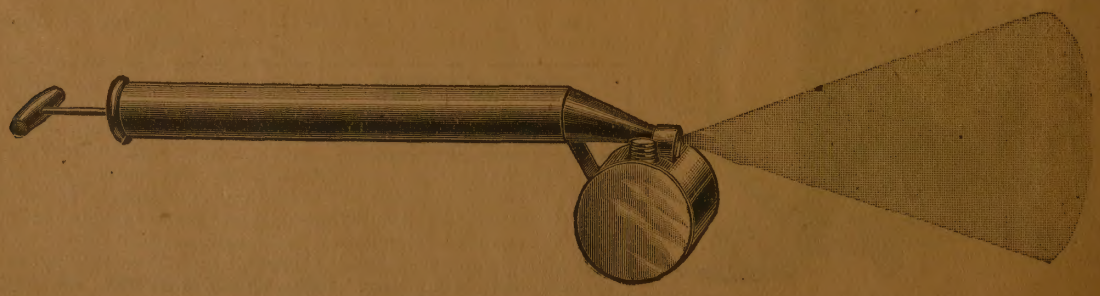
Our latest introduction. It is built low down and is the strongest machine ever placed on the market. All the working parts are brass. It has our patent strainer, heavy base casting, patent detachable ball valves, patent automatic compensating plunger, and is arranged for one or two lines of hose. The above are all heavy brass. The plunger tube is No. 14 gauge seamless brass tube. The air chamber is of steel and extra large, and the machine is guaranteed the most effective of any machine of its capacity. It is fitted with our independent, automatic dash agitator.

The plunger may be withdrawn in a moment to repack if desired. It is arranged for three lengths of stroke, thereby adjusting the capacity of the machine to the number of nozzles in use; will be found ample to operate eight nozzles at one time. **Price, $12.00,**

ATTACHMENTS FOR SPRAMOTOR PUMPS.

Lead of 10 feet of half-inch, three-ply hose (couplings attached)..... $1 00
Bamboo Extension Rod, 10 feet, with drip guard (for attaching to hose)..... 2 50
Iron " " " " 40
Stop Cocks, for preventing waste of mixture..... 75
Spramotor Nozzles..... 75
Mechanical Emulsion Attachment..... $5 00
Short Brass Lance..... 65
Y Connections..... 60
Imp. Vermorel Nozzle..... 75

This cut shows the motor detached ready to agitate.
Jr No. 2.



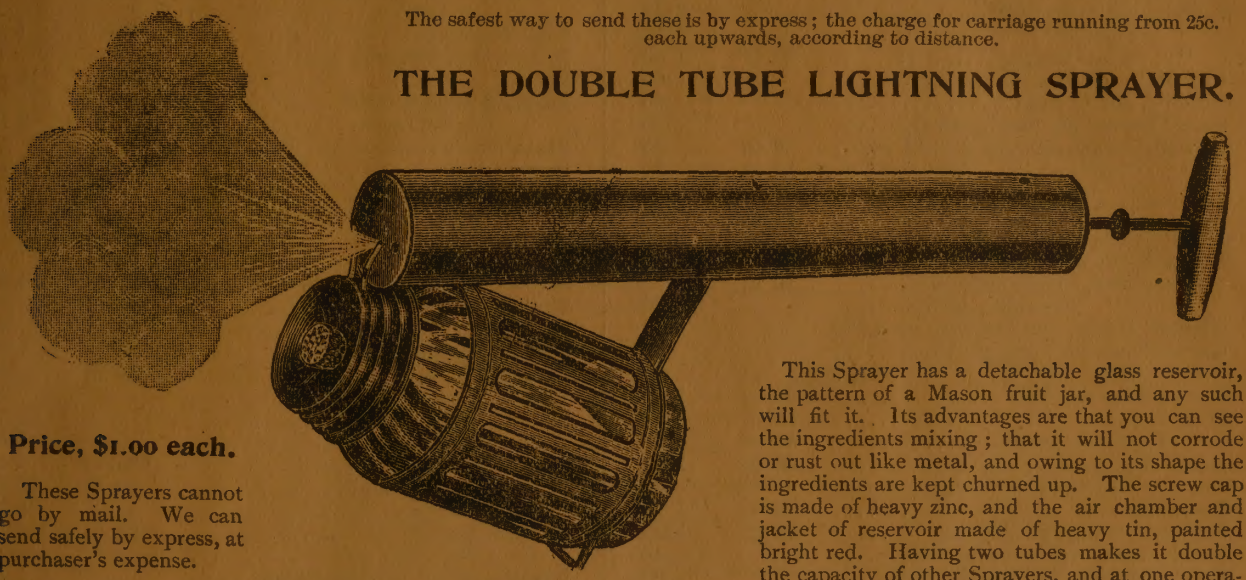
THE FAULTLESS HAND SPRAYER.

THE FAULTLESS SPRAYER.

Made in brass and tin; throws a spray as fine as mist. Adapted for the destroying of every kind of insect. It is economical, will not drip; and its shape is such that spray up or down, all the liquid is pumped out, leaving but a spoonful in the can. It is absolutely the best constructed sprayer of its class ever offered to the trade. For strength and durability it has no equal. The tapering point to air chamber gives great force to the spray, carrying it to the greatest possible distance. This tapering tube also allows the air chamber to be fastened to the tank in the most substantial manner. The tube of air chamber is soldered to top of reservoir and also supported by a broad strap of metal passing over point of tube. The point of air chamber and small tube through which the liquid passes are thoroughly protected from damage in use or shipping. Piston rod is spring steel wire and cup leather plunger. *One half table spoonful of Paris Green and once filling with water is sufficient to destroy all the bugs on 1300 hills of Potatoes.* **Price, all Tin, 75c.; post paid, $1.10. All Brass. $1.00; post paid, $1.35.**

The safest way to send these is by express; the charge for carriage running from 25c. each upwards, according to distance.

THE DOUBLE TUBE LIGHTNING SPRAYER.



Price, $1.00 each.

These Sprayers cannot go by mail. We can send safely by express, at purchaser's expense.

This Sprayer has a detachable glass reservoir, the pattern of a Mason fruit jar, and any such will fit it. Its advantages are that you can see the ingredients mixing; that it will not corrode or rust out like metal, and owing to its shape the ingredients are kept churned up. The screw cap is made of heavy zinc, and the air chamber and jacket of reservoir made of heavy tin, painted bright red. Having two tubes makes it double the capacity of other Sprayers, and at one operation it produces two sprays, covering a radius of 2½ ft. The reservoir filled with water and one teaspoonful of Paris Green is enough for 2,000 hills of potatoes.

CAUTION—Always see the leather plunger is kept well oiled, and no wrinkles left in leather when placing same in air tube.

POULTRY SUPPLIES.

DR. HESS' POULTRY PAN-A-CE-A.

Makes hens lay, prevents all diseases, and cures roup, cholera, gapes, leg weakness, etc. For chickens, turkeys, ducks and geese—something every poultry man needs to have success in the business. It promotes the general good health of the fowl, greatly quickening digestion, and being a tonic, works all the various organs like a piece of machinery. Use Pan-a-ce-a and make your hens lay when eggs are a high price. It is very valuable for young chickens when they are growing; it adds plumage and gives them a vigorous foundation. Good for moulting hens; good for turkeys, young and old.

Price, 24 oz. package, 30c., by mail (post paid), 40c.
" 5 lb. " 75c., " " $1.00

DR. HESS' LOUSE KILLER.

Kills Lice, Ticks, Fleas, Moths, Ants, and all kinds of Vermin. Probably no single enemy is so universal among stock and poultry as lice. Realizing these facts we have been prompted to formulate our INSTANT LOUSE KILLER. It is not a poison, but lasting, effectual, convenient to use, and the cheapest article that can be had. It is put up in round cans with perforated lids, ready for use. As a Deodorizer and Disinfectant it is entirely reliable for poultry houses, stables, pigeon lofts, pig pens, sheep stables, sinks, water closets, vaults, cess pools, garbage boxes, kennels, etc. It serves as an absolute preventative of diseases, and will speedily destroy all parasites that inhabit such places. It is especially adapted for the destruction of sheep ticks, a powder and easy to apply, overcoming the great disadvantage of dipping, and can be applied in cold weather when the wool is long and the ticks are most numerous. Price, 16 oz. package, 30c.; by mail (post paid), 35c.

GRANULATED POULTRY BONE.

A little larger than wheat, and can be fed like any other food in grain, about one handful to every five fowls daily, or every other day. In either manner it furnishes a valuable food for poultry at all seasons of the year. 8 lbs., 25c.; 100 lb. bag, $2.00.

CRUSHED OYSTER SHELLS.

PEERLESS BRAND.—All breeders of poultry recognize the fact that a grit of some kind is a necessity. Even where the fowls range, strength and plumpness are gained by providing them with Crushed Oyster Shells. The most frequent cause of hens not laying is the absence in the food of Carbonate of Lime. As it is practically pure Carbonate of Lime, it supplies, when fed to poultry, this most essential element, and greatly aids in the formation of the egg. Stone, lime, gravel, grits, in fact, nothing of a mineral character will equal it in beneficial results. 5 lbs., 10c.; 15 lbs., 25c.; bag of 100 lbs., 75c.

MICA CRYSTAL GRIT.

One of the principal reasons why so many do not have success in raising poultry is that the poultry cannot obtain sufficient grit to enable them to masticate their food in a proper manner, and, strange to say, this is greatly neglected by a great many. It is necessary to feed some gritty material. 5 lbs, 10c.; 15 lbs., 25c.; 100 lb. bag, 90c.

DR. HESS' STOCK FOOD.

The best food for horses, cattle, hogs and sheep; thoroughly reliable and guaranteed to give satisfaction. Price, 7 lb. package, 60c.; 12 lb. package, 90c.

GREEN BONE, MEAT AND VEGETABLE CUTTERS.

The famous Webster & Hannum make, the only make to receive the World's Fair medal—the only machine having a truly automatic feed.

No. 3,	with fly wheel, on stand,	weight 260 lbs	$40 00
No. 6,	" " " "	135 lbs	18 00
No. 6,	" " for bench,		15 00
No. 2,	" " " "	56 lbs	15 00
No. 4,	" " " "	46 lbs	9 00
No. 4,	" crank, " "	26 lbs	6 50
Grit and Shell Crusher,		" 55 lbs	6 50
Clover Cutter			4 00

GARDEN REQUISITES AND FLORISTS' SUPPLIES.

	Each.
Aphicides	$0 50
Asparagus Bunchers	1 50
Atomizers and Sprinklers	50
Bouquet Papers, 4 to 5 inch	$0 45 to 65
Button-hole Tubes	5
Bellows, for dusting plants, shrubs, etc.	1 50
Baskets, Berry, per 1000	3 25
" Plant, "	6 50
" Wire Hanging	25 to 1 00
Bass Mats, Archangel	60
Chenille, per 12 yards	60
Cape Flowers, per bunch, wired	20
Flower Pots and Saucers, 3 to 12 inch	3 to 45
" " " fancy, 5 to 8 in.	15 to 50
" " Japanese ware, 7 to 12 inch	1 00 to 3 00
" " Hanging	25 to 50
Florists' Companions	75
Forks, Potato and Manure	1 00 to 1 50
Grafting Wax, French, per tin	20 to 50
" " American, per lb.	30
Glaziers' Points, Van Reypers, per 1,000	75
Grass, China, for tying, per lb.	30
" Roffea, " "	25
Hooks, Brier and Bill	1 00 to 1 50
Hoes, Garden	50 to 75
" Dutch, or Scuffle	35 to 50
Irons, Edging	1 00 to 1 25
Immortelles, Purple or White, per bunch	40 to 50
Jardinieres	25 to 1 75
Knives, Pruning and Budding	75 to 1 25
Labels, Plain, 4½ inch, per 100	15
Labels, Painted, 4½ inch, per 100	20

	Each.
Lines, Garden	$0 25 to $0 50
Lawn Vases	75 to 3 50
Moss—Dried, Green, Yellow or Red—per bunch	15
Pampas Plumes, red, white and blue	15 to 20
Pot Covers, Fancy Paper	10 to 25
" Lattice	10
Pots, Watering	50 to 1 50
Pencils, Weatherproof	10
Plows	2 50 to 10 00
Rakes, Best Cast Steel	50 to 1 00
" English Lawn	1 00 to 2 00
Reels, for Garden	75
Rustic Chairs	1 00
" Vases, per pair	1 25
" Sofas	1 50
Rollers, Garden	10 00 to 15 00
Saws, Pruning	1 00 to 1 50
Scythes, Patent English, 36 to 42 inch.	1 25 to 1 50
Scythe Stones	10 to 20
Shovels	50 to 1 00
Spades, English, Parke's	1 50
Spuds for Thistles, etc	30 to 50
Scissors, Flower Gatherers'	50
" Grape Thinners	75
" Pruners	1 00
Shears, Hedge	75 to 1 50
" Grass, Edging	50 to 1 50
" Pruning	1 50
Trowels, English	25 to 50
" American	15
Wreaths, Metal or Dried Flower	1 50

FLORAL DESIGNS.

	Each.
Anchors, 9 to 30 in	$0 15 to $0 70
Anchor and Cross, 12 to 24 in	18 to 35
Broken Column, 12 to 24 in	35 to 75
Broken Links, 12 to 16 in	25 to 50
Crosses, 8 to 26 in	4 to 18
Crowns, 7 to 14 in	30 to 75
Faith, Hope, Charity, 15 to 24 in	35 to 75
Gates Ajar, 12 to 24 in	1 25 to 1 75
Harps, 12 to 24 in	30 to 90
Hearts, 8 to 20 in	12 to 35
Horseshoes, 6 to 16 in	12 to 35

	Each.
Maltese Cross, 8 to 20 in	$0 14 to $0 40
Oddfellows' Links, 18 to 24 in	50 to 75
Pillows, Single, 8 to 20 in	18 to 40
" Double, 8 to 24 in	39 to 1 00
Pyramids, 12 to 24 in	30 to 70
Shields, 12 to 24 in	25 to 70
Sickles, 12 to 20 in	22 to 35
Stars, 7 to 24 in	12 to 45
Square, Compass and G, 16 to 24 in	50 to 85
Triangles, 12 to 21 in	25 to 50
Wreaths, 6 to 24 in	4 to 25

OTHER DESIGNS SUPPLIED. CATALOGUE ON APPLICATION.

COCOANUT FIBRE. Unequalled for seed beds, mulching, etc. Per bag, $1.00.
TINFOIL. (Subject to change.) Five inch wide, per lb., 25c; 10 lb. lots, 20c. per lb.
WIRE, ANNEALED. No. 24, 15c. per lb.; No. 26, 20c. per lb.; No. 28, 20c. per lb.; No. 30, 25c. per lb.; No. 36, 40c. per lb.

Rubber Putty Bulb. No. 1, $1.10. No. 2, 90c. No. 3, 75c. No. 4, 60c.

RUBBER PUTTY BULB, PRICE, $1.10.

Excellent for glazing. A pressure with the hand ejects the putty along the sash bars; makes a tight and neat joint. Does not daub the glass or stick to the hands.

Insect Powder Bulb for spraying powder on plants, etc. A very handy article; $1.10.

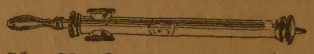
No. 1 Angle, $1.10. No. 2, $1.00.

SCOLLAY'S RUBBER PLANT SPRINKLERS.

Indispensable for Floral Work and Window Gardening, and very useful for dampening clothes or sprinkling in any way.

If Putty Bulbs, Powder Bulbs, or Sprinklers are wanted by Mail, add 10c. postage on each.

IMPROVED BRASS GARDEN SYRINGES.



No. 1—Syringe, 16-inch barrel, each $2.50. No. 2—Full size, 18-inch barrel, improved rose, each $3.00. No. 3—Full size, Reed's 18-inch barrel, ball valve, each $3.50. These Syringes have improved side screws attached, and are the best English make.

Best Canadian 18-inch Brass Syringe, $2.00. Improved Zinc Syringe, for Fruit Trees, 50c. each.

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DISCOUNTS ON SEEDS IN PACKETS.

Those who remit $1.00 for Seeds in Packets may select to the value of $1.20
" " 2.00 " " " " " 2.45
" " 3.00 " " " " " 3.75
" " 4.00 " " " " " 5.00
" " 5.00 " " " " " 6.25

THESE DISCOUNTS APPLY TO VEGETABLE AND FLOWER SEEDS IN PACKETS ONLY. SEEDS OFFERED IN SPECIAL COLLECTIONS ARE NOT SUBJECT TO DISCOUNTS.

Seeds are frequently offered in packets at lower prices than our Catalogue quotations; this is done by reducing the size of the packet. Where Seeds are not sold by weight, we always give full sized packets.

Purchasers will please note that the prices of Dwarf Yellow and Green Podded Beans have advanced since the publication of the earlier pages of this Catalogue: add 5c. to pint, 10c. to quart, and 50c. to peck prices.

BRUCE'S SEEDS

1850 – 1900

BRUCE'S
GOLDEN JUBILEE
COLLECTION
OF FLOWER SEEDS

10 SPLENDID VARIETIES 25c

CALIFORNIAN POPPY.
PHLOX DRUMMONDII.
ZINNIA ELEGANS.
SWEET ALYSSUM.
DIANTHUS-PINKS.
GARDEN POPPY.
CORN FLOWER.
CALLIOPSIS.
PETUNIA.
ASTER.

FOR FARM AND GARDEN